

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

OCTOBER 20 1956

A new cough suppressant



'PECTAMOL'

TRADE MARK

Linctus

B.D.H. research has resulted in the introduction of PECTAMOL Linctus, an effective and palatable anti-tussive agent.

- Suppresses useless, dry, unproductive cough
- Free from soporific, nauseating, constipating and toxic effects
- Moderates purposeful, productive cough
- Contains no opiates or their derivatives
- Aids expectoration

	TRADE	RETAIL
Bottles of 60 ml.	2 6	4 6
Bottles of 250 ml.	8 9	—
Bottles of 2 litres	56 1	—

(Inc. bottle at 1/6)

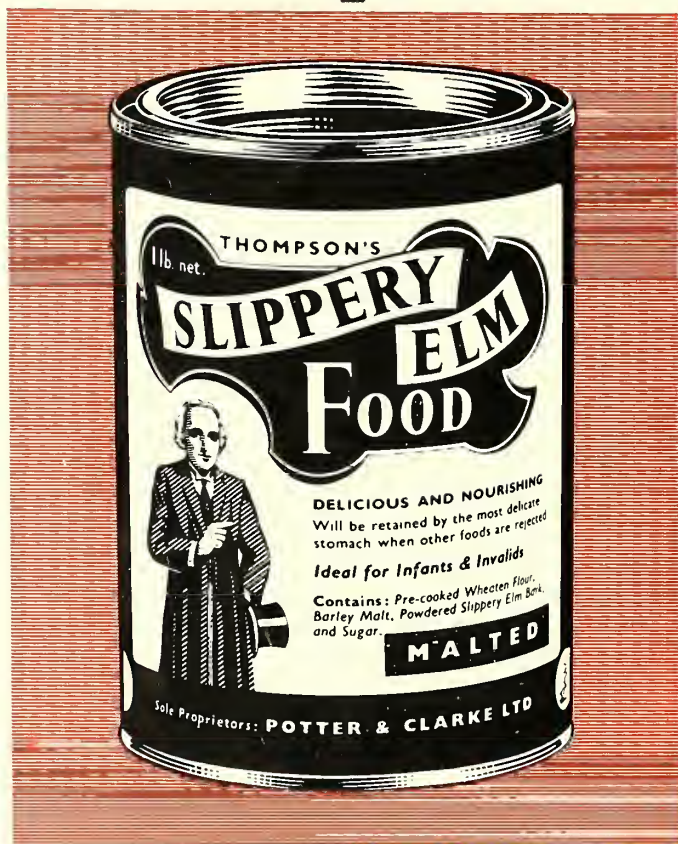
All packings of Pectamol Linctus are subject to Purchase Tax

The active constituent of Pectamol Linctus is the citrate of the diethylaminoethoxyethyl ester of α : α -diethylphenylacetic acid ('Oxeladin')

THE BRITISH DRUG HOUSES LTD. LONDON N.1

A TOP-SELLER from the

Potter's range of products



RESEARCH ESTABLISHES THOMPSON'S SLIPPERY ELM FOOD IDEAL IN CASES OF STOMACH WEAKNESS, ULCERS, DIGESTIVE DISORDERS.

Large scale market research into the uses of Thompson's Slippery Elm Food establishes these facts. More and more people are finding it of particular benefit in cases of stomach disorders of all kinds, especially ulcers and some effects of anxiety neuroses.

It is easy to digest, and can usually be retained by the most delicate stomach when other foods are rejected.

But its value as a food beverage is more widespread. Thompson's Slippery Elm Food is a wonderfully nourishing restorative. People find a cupful taken mid-morning relieves fatigue; taken again at night it ensures restful sleep. Its sustaining properties are remarkable. No wonder it ranks as Potter's BIGGEST SELLING LINE.

Available in three varieties

MALTED

UNMALTED

WHOLEMEAL

MALTED

THOMPSON'S
SLIPPERY ELM
FOOD



Orders through WHOLESALERS ONLY please!

POTTER & CLARKE LTD · RIVER ROAD · BARKING · ESSEX · Telephone: RlPpleway 3041

Lederle is saying

14th. 12. 1956

BRITISH MEDICAL JOURNAL

NEWCASTLE



Children are the future...

On the children of today will rest the great responsibilities of tomorrow. Their achievements in the future are linked inseparably with their present-day health and well-being. Children can benefit from the fund of nutritional knowledge established over the years, so well reflected in the recently introduced Vi-MAGNA Syrup. Designed especially to correct inadequate intake or poor utilization of dietary factors, the Syrup provides a full complement of essential vitamins in carefully balanced amounts—daily dose one teaspoonful. It is delightfully flavoured to ensure willing acceptance by the most fastidious youngster.

Vi-Magna SYRUP

BRAND OF MULTIVITAMINS

Each teaspoonful contains:

Vitamin A	5000 I.U.
Vitamin D	500 I.U.
Vitamin E	3 mg.
Thiamine HCl (B ₁)	2 mg.
Riboflavin (B ₂)	0.2 mg.
Pyridoxine HCl (B ₆)	75 mg.
Ascorbic Acid (C)	20 mg.
Niacinamide	1 mg.
Calcium pantothenate	5 mcgm.
Vitamin B ₁₂ (present in concentrated extractives from streptomycetes fermentation)	5 mcgm.

In bottles of 4 and 16 fl. oz.



LEDERLE LABORATORIES DIVISION
Cyanamid PRODUCTS LTD. LONDON, W.C.2.

Lederle products are consistently being promoted to doctors in medical journals throughout the world. The above advertisement is currently appearing in leading British medical journals. Literature on the products referred to is available to pharmacists on request.

The *preferred* Oral Penicillin

Acid-Stable

'Distaquaine' V

trade mark

crystalline penicillin V, free acid

'DISTAQUAINE' V, containing crystalline penicillin V (free acid form), is unaffected by the gastric acidity and for this reason alone is to be preferred to other penicillins for oral administration. Furthermore, it is efficiently absorbed and offers a reliable alternative to parenteral penicillin therapy. Three preparations are available:

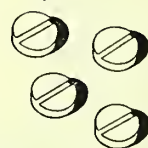
'Distaquaine' V TABLETS

60 mg. scored tablets
Bottles of 30, 200 and 1,000

DOSAGE

ADULTS—One or more tablets at four-hourly intervals.

CHILDREN—Half the adult dose.



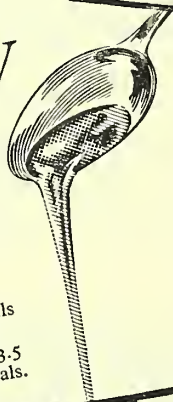
'Distaquaine' V ELIXIR

30 mg. dose (1.75 ml.) Bottle of 2 fl. oz. (30 doses). A plastic spoon of 1.75 ml. ($\frac{1}{2}$ fl. dr.) is provided.

DOSAGE

CHILDREN—One or more spoonfuls (30 mg.) at four-hourly intervals.

ADULTS—At least two spoonfuls (3.5 ml.—1 fl. dr.) at four-hourly intervals.



'Distaquaine' V SULPHA

Each scored tablet contains 60 mg. penicillin V, 0.30 gramme sulphadimidine and 0.14 gramme sulphamerazine.
Bottles of 30, 200 and 1,000

DOSAGE

ADULTS—Two tablets initially, followed by one or two tablets at four-hourly intervals.

CHILDREN—Half the adult dose.



Manufactured by

THE DISTILLERS COMPANY (Biochemicals) LIMITED

SPEKE, LIVERPOOL 19 • TEL: HUNTS CROSS 1271. Export Department: Devonshire House, Piccadilly, London, W.1. Tel: Mayfair 8867

The trade mark 'Distaquaine' is the property of the manufacturers.

PPH 25/56



Smiler introduces a new friend

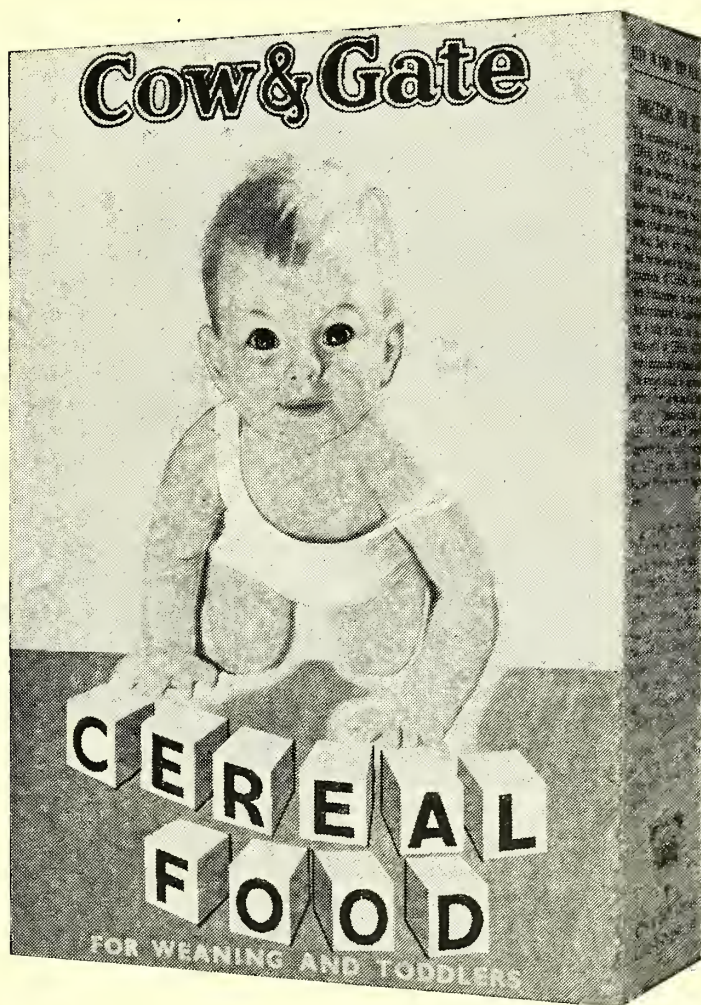
and to make sure that all your customers know about this new product—Cow & Gate CEREAL FOOD—large spaces have been booked in the magazine press with national coverage, including Woman, Woman's Own, Radio Times, Mother, Woman's Weekly, Nursery World, etc., beginning November, 1956.

During the initial launching of this campaign a bonus of 1/2d. for every dozen cartons ordered during October and November is offered, so place your orders now and be prepared for the rush!

Cow & Gate CEREAL FOOD is packed in full colour 8-oz. cartons, 1 dozen to the outer, trade price 14/5d. per dozen (or 13/3d. per dozen during above bonus period), and will retail at 1/6d.

Carriage Paid on 2-dozen and over.

Please address your enquiries and requests for promotion matter to:—



5390

COW & GATE LTD., Guildford, Surrey.



For Rheumatism, Lumbago and Fibrositis
 2 oz. jars (2/6) 14/- 3 doz. 13/9
 1 oz. tubes (1/7) 8/6 3 doz. 8/4 per doz.

Manufactured by
 BROOK, PARKER & CO. LTD., BRADFORD, ENGLAND



Nationally advertised . . .

NERVONE
REGD

Yields 1/8d. PROFIT on each sale!

New National Advertising means that more people will be asking for 'Nervone' and, remember, your profit is 1/8d on each sale. Please see that your stock is sufficient to meet the demand.

A Biochemic Product Prepared by

NEW ERA LABORATORIES LTD.
 Cecil House, Holborn Viaduct, London, E.C.1.

Protection
 against
 colds . . .



ESOBACTULIN

ORAL VACCINE CAPSULES

6 capsules taken over 5 days gives most people 3 months protection from colds

Retail price 7/10½d. (complete course) inc. P. Tax

STOCK NOW TO MEET THE DEMAND

Order from your usual Wholesaler

33½% DISCOUNT plus Bonus 13 to the dozen

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DISEASES AND REMEDIES

10th Edition, 1955

Contains numerous additions made since the 9th edition (published 1953), which was completely rewritten. A concise survey of the most modern methods of medicine. It provides pharmacists with a text-book of information on the treatment of diseases and the drugs used.

PRICE 15/- Postage 9d.

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Distilled in Australia from Eucalyptus leaves in accordance with the B.P. specification. W. K. Burnside Pty., Ltd., Melbourne, Australia offer:—

80/85% Rectified B.P. Eucalyptol B.P. 70/75% Rectified B.P.

Oil Eucalyptus Dives 40/45% Oil Eucalyptus Dives 90/95%

For the production of Thymol and Menthol

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INDEX TO ADVERTISERS

Agfa, Ltd.	41	Cox, Arthur H., & Co., Ltd.	8
Allen & Hanburys, Ltd.	33	Cuxson, Gerrard & Co., Ltd.	38
Armour Laboratories, The	14	Daniel, Richard, & Son, Ltd.	25
Ashwood Timber Industries, Ltd.	40	'Disprin'	6
Barber Electrical Services, Ltd.	39	Distillers Company (Biochemicals), Ltd., The	2
Beatson, Clark & Co., Ltd.	51	Electro Medical Hire, Ltd.	22
Beautisales, Ltd.	29	Evan Williams Co., Ltd.	12, 26
Bell, John, Hills & Lucas, Ltd.	26	Foyle, W. & G., Ltd.	40
Bencard, C. L., Ltd.	Cover iv	Franks, Alfred, & Bartlett Co., Ltd.	20
Benton, T. L., & Co., Ltd.	56	Furman, B. N. (Productions), Ltd.	30
Boots Pure Drug Co., Ltd.	56	Gardiner & Co. (The Scotch House), Ltd.	35
British Cod Liver Oils (Hull & Grimsby), Ltd.	9	Geigy Pharmaceutical Company, Ltd.	19
British Drug Houses Ltd., The	Front Cover	Glaxo Laboratories, Ltd.	Interleaved Edit., 445
British Railways	50	Golden, Limited	44
Britton Malcolm & Co., Ltd.	57	Holborn Supplies Ltd.	Classified Section
Brook, Parker & Co., Ltd.	4	Hosezene Co., Ltd., The	4
Burrough, James, Ltd.	4	Imperial Chemical Industries Limited	43
Burroughs Wellcome & Co.	34	Imperial Chemical (Pharmaceuticals), Ltd.	Interleaved Edit., 446
Burson Elastic Stockings	24	International Laboratories, Ltd.	Leader Page
Bush, W. J., & Co., Ltd.	50	Jobling, James A., & Co., Ltd.	48
Cadbury Bros., Ltd.	35	Jones, Samuel, & Co., Ltd.	22
Carnegies of Welwyn Ltd.	18		
Cartwright, W. B., Ltd.	5		
Chemist and Druggist Diseases and Remedies	4		
Compressed Paper Packing, Ltd.	40		
Cow & Gate, Ltd.	3		

(continued overleaf)



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by **CARTWRIGHT'S**

For the production of Tablets to any formula consult
W. B. CARTWRIGHT LTD., Manufacturing Chemists
RAWDON, LEEDS.

INDEX (cont.)

Kay Brothers, Ltd.	30	Rose, L., & Co., Ltd.	10, 11, 52
Kellys, John (London), Ltd.	36	Rosedale Products, Ltd.	25
Kemsales, Ltd.	54	Roussel Laboratories	7
Krauth Chemicals, Ltd.	8	Salter, Geo., & Co., Ltd.	49
Laporte Chemicals Ltd.	52	Samuelson, P., & Co.	38
Lederle Laboratories Division	1	Scholl Mfg. Co., Ltd., The	58
London Commercial Electrical Stores, Ltd., The ..	36	Simpsons Shaving Brushes	28
Mason Pearson Brothers	12	Smith & Hill (Chemists), Ltd.	54
Maw, S., Son & Sons, Ltd.	42	Southalls (Birmingham), Ltd.	53
Medico-Biological Laboratories, Ltd.	Cover iii	Southon Laboratories, Ltd.	4, 15
Menley & James, Limited	17	Spa Brushes, Ltd.	24
Monsanto Chemicals Limited	46	Standard Soap Co., Ltd.	13
Mysore, Trade Agent for	54	Thermos (1925), Ltd.	27
'Nervone'	4	Thompson & Capper, Ltd.	23
Nylon Rentals, Ltd.	30	Thornton & Ross Limited	52
Orridge & Co.	Classified Section	Townsend, James, & Sons Limited	50
Perihel, Ltd.	40	Universal Metal Products, Ltd.	21
Pickstone, R. E., Ltd.	4	Versatile Fittings (W.H.S.), Ltd.	55
Pifco Ltd.	48	Vines Biocrin, Ltd.	36
Potter & Clarke, Ltd.	Cover ii	Wander, A., Ltd.	14
Radiol Chemicals, Ltd.	31	Warner, Wm. R., & Co., Ltd.	32
Rapidol, Ltd.	Leader Page	Washington Chemical Co., Ltd., The	16
Rayner and Company Limited	14	Wilson & Mansfield, Ltd.	4
Regna Cash Register Co.	45	Woodward, G. O., & Co., Ltd.	47
Ronaldson, John, & Co., Ltd.	28	Zimmermann, Chas., & Co., Ltd.	37

THE Advantages



“Disprin” of Disprin^{REGD}

The advantages of Disprin as an analgesic are:—

- 1** Disprin is soluble
- 2** Disprin is substantially neutral

Disprin is therefore quick-acting and far less likely than ordinary aspirin to upset the stomach.

Week after week these advantages are made known to millions of readers of the national daily papers, the national Sunday papers, *Woman*,

Woman's Own, *Woman's Weekly*, and *Woman's Sunday Mirror*.

Week after week more people ask for “Disprin” for the relief of headache, neuralgia, sciatica, colds, rheumatism and kindred ailments.

RETAIL PRICES

(inc. P.T.)

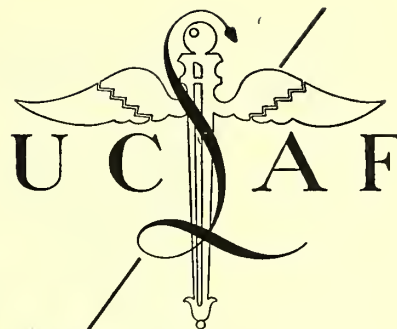
50-tablet bottle 3/3 26-tablet bottle 1/11½
8-tablet foil 9d.

TRADE PRICES

(exc. P.T.)

50-tablet bottle 23/- doz. 26-tablet bottle 13/10 doz.
8-tablet foil 5/2 doz.

RECKITT & COLMAN LTD. HULL AND LONDON (PHARMACEUTICAL DEPT., HULL)



Synthetic Medicaments

Amino - Acids

Phytotherapy

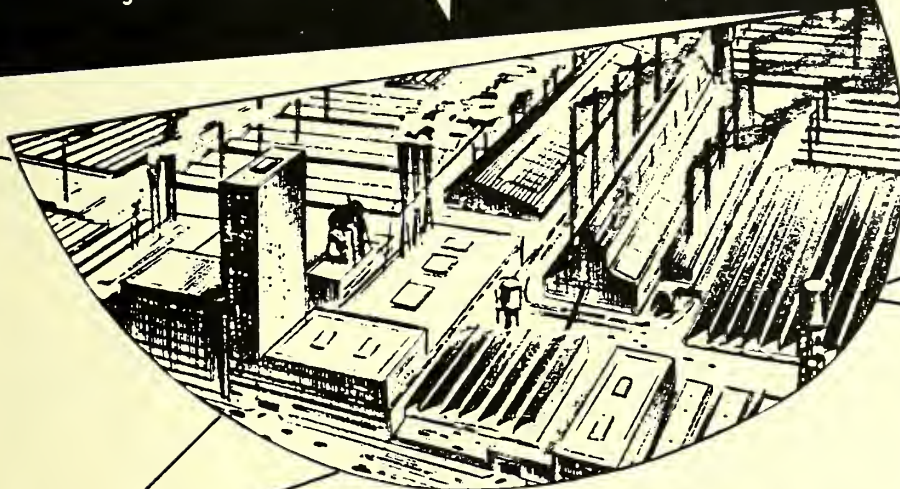
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and Hormones

Inorganic Products

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and Alkaloids



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Manufactured under ideal conditions in the new extension specially constructed for the production of high grade pastilles.

attractively packed or supplied in bulk
display material
available

competitive
prices

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something for nothing

From now on—at no extra cost—every bottle of DENCLEN we supply will carry our new synthetic sponge APPLICATOR. This specially designed APPLICATOR *really* cleans dentures. It probes thoroughly into all the tooth-spaces and into every crevice in the dentures surface, cleaning out *all* the stale food particles that collect there, and sweeping away *every trace* of staining and discolouration.

FOR YOU...

BIGGER SALES:

because the APPLICATOR makes the job easier *more* people will clean their dentures *more* regularly and *more* thoroughly.

BETTER SALES: because the efficiency of the APPLICATOR, plus the superb quality of DENCLEN itself, will give the kind satisfaction that turns the casual caller into the regular customer.

TO YOUR CUSTOMERS

CONVENIENCE—easy to use, the APPLICATOR cleans dentures *really* thoroughly in only 30 seconds. Complete instructions for use are attached to every bottle of DENCLEN. **EFFICIENCY**—the APPLICATOR goes right into every corner of the denture, sweeping away every particle of foreign matter and discolouration.

HYGIENE—a *really* clean denture is a *really* safe denture; free from the risk of infection and the unpleasantness of bad breath. The retail price is still 2/8½d.

THE NEW DENCLEN APPLICATOR

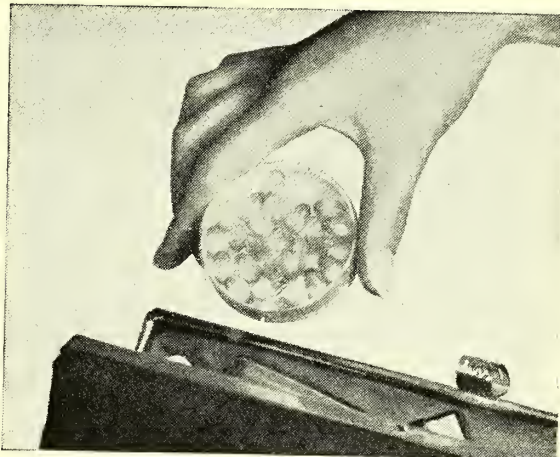
KRAUTH CHEMICALS LIMITED · WEYBRIDGE · SURREY

If you hold stocks of Denclen without the Applicators, let us know. We will forward Applicators to go with them.

NEW SALES PACK

Packs a Sales Punch
for
SevenSeaS
Pure
Cod Liver Oil

Catch up on seasonal sales by displaying the new SevenSeaS handy pack on your counter now. It's the ideal pack to catch your customers' eye and build your sales fast. Neat and small, easy to slip into the pocket or handbag it holds 25 SevenSeaS Pure Cod Liver Oil capsules—enough for several days' supply.



**POWERFUL
ADVERTISING
IN NATIONAL
PRESS**

SevenSeaS Pure Cod Liver Oil is backed by powerful advertising in the national press. Advertising that highlights its natural food value and the protection it gives from winter ills and chills. SevenSeaS Advertising is selling advertising. Make sure that you take advantage of it. Order through your wholesaler—now.

SevenSeaS

PURE COD LIVER OIL

builds health—and sales—naturally



BRITISH COD LIVER OILS (HULL & GRIMSBY) LTD., ST. ANDREW'S DOCK, HULL

Rose's time is



Every member of the family has his or her own

All the year round Rose's Lime Juice is the great family favourite. Summer and winter, people enjoy its delicious sharp-sweet flavour. So refreshing whether on its own or mixed with other things—Rose's is right for every occasion.

But especially for Christmas—party-time—when the family is together and they *all* want Rose's Lime Juice, mixed each in his own favourite way.

However they choose to drink it, the fact is that the Rose's bottle is the first to empty. It's the tangy taste of fresh limes that does the trick, and more and more people are discovering that a party just isn't a party without Rose's.



all the time



pecial way of drinking Rose's, but they all agree, it's as delicious as it is good for them

large spaces in the NATIONAL PRESS . . .

TELEVISION . . .

POSTERS . . .

DISPLAY . . .

d a continual chain of small advertisements . . .

THE ADVERTISING TELLS YOUR CUSTOMERS:

“DRINK more ROSE'S LIME JUICE”

Healthy as the fresh fruit itself for your bloodstream and complexion

So stock up with Rose's in good time for the Christmas season. Your customers will
not on having nothing but Rose's because :

ROSE'S LIME JUICE is the best in the world

Every woman will try them
Every woman will buy them...

Evan Williams Tulip tissues

Hygienic pink lip-tissues, specially designed for perfect absorbency, automatically delivered from the new-style pack, fitting the daintiest handbag. A possible extra sale to every woman customer.

COST 4 2
PER DOZEN
NO
PURCHASE TAX
Retail
6d. PER PACKET



DON'T MISS THE INTRODUCTORY OFFER

1 dozen FREE bonus with
each order for 3 dozen means

OVER 100% PROFIT

(ON BEST TERMS)

We will invoice 4 doz. as 3 doz. in this introductory offer.

Complete order form below and post NOW!

To: Evan Williams Co. Ltd.,
Aintree Road, Perivale, Middlesex

Please send me UNITS
Each unit consisting of
3 doz. 6d. Tulip Tissues @ 4 2 per doz. 12 6
1 doz. 6d. Tulip Tissues NO CHARGE —
PURCHASE TAX NIL —

£ s. d.

NAME

ADDRESS

NATIONAL ADVERTISING
BEGAN ON

OCT 15th.

MASON PEARSON

This hairbrush with the famous name is the subject of a new advertising campaign in national and women's publications. Once again its unique qualities are being brought to public notice, and increased sales are sure to follow. To the trade those qualities are too well known to need fresh recommendation. Stockists are strongly advised to ensure that they have ample supplies to meet the extra demand.

THE ORIGINAL—
AND STILL THE BEST!



Retail price
now range
from

11/6

to 65/-

Mason Pearson
Brothers
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MASON — London PEARSON — England

CHRISTMAS GIFT BOXES BY *Fontaine*

More than just a good
Christmas line—an
all-the-year seller!

ESSENTIAL PERFUMES AND COLOURS

Individually wrapped cakes, in
cellophane, packed in
active 3-tablet Floral Boxes.

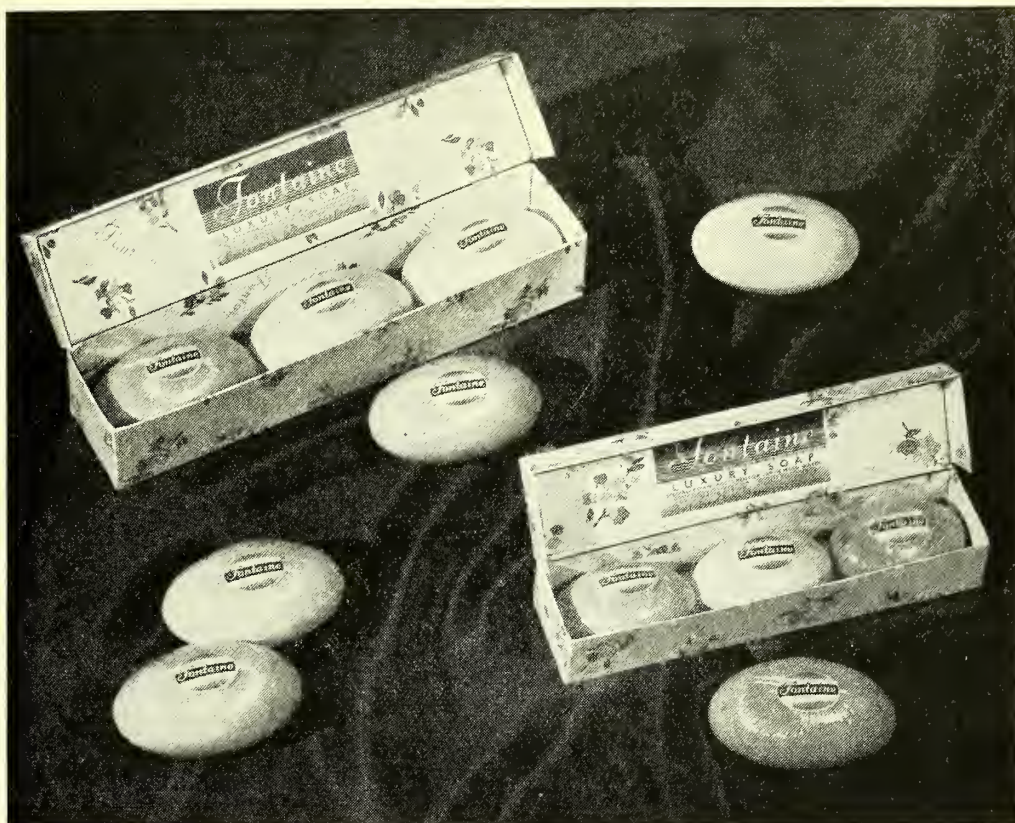
THUS Cocktail Pink
NICA Shell Pink
..... Autumn Brown
LILAC Mediterranean Blue
SA Spring Yellow
ENIA Sherwood Green

NET SIZE

.32 96/- per gross
Plus Purchase Tax
Retail Price 1/2 per tablet

SIZE

.33 165/- per gross
Plus Purchase Tax
Retail Price 2/- per tablet



Personality

CHRISTMAS GIFT SOAPS

3-Tablet Assorted Boxes

3 Tablets Personality Fragrant Bouquet Soap in assorted pastel
colours and perfumes Rose, Sweet Fern and Cyclamen.

TRADE PRICE 22/7½ per dozen boxes Plus Purchase Tax
RETAIL PRICE 3/- per box

2-Tablet Boxes

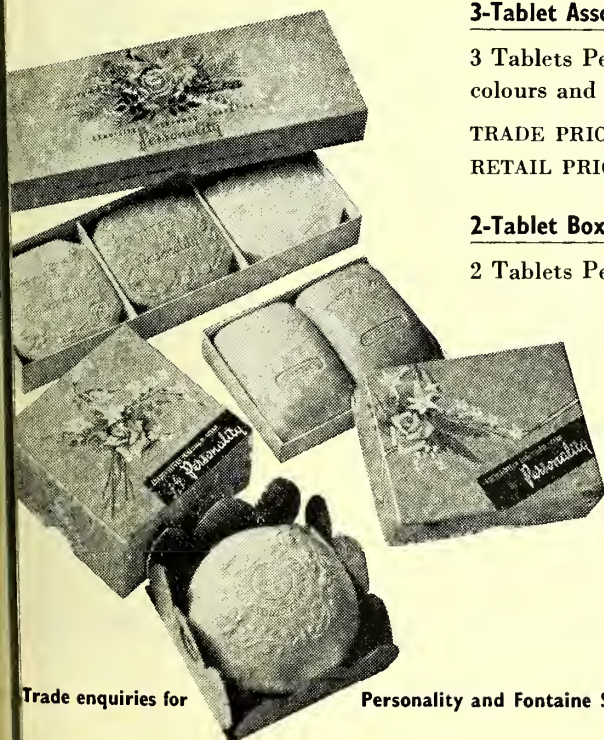
2 Tablets Personality Soap in Perfumes Santée and Blue Haze.

TRADE PRICE 17/8 per dozen boxes
Plus Purchase Tax
RETAIL PRICE 2/6 per box

PERSONALITY PETAL GIFT BOX

Single tablets, exquisitely perfumed in delicate
pastel colours: Rose, Carnation, Lilac and
Sweet Fern.

TRADE PRICE 19/8 per dozen boxes
Plus Purchase Tax
RETAIL PRICE 2/8 per box



Trade enquiries for

Personality and Fontaine Soaps to Castle Soap Works, Ashby-de-la-Zouch, Leicestershire.



VIMALTOL

A VITAMIN FOOD SUPPLEMENT OF WIDE APPLICATION

'VIMALTOL' is a delicious vitamin food concentrate of value to infants, children and adults. Its formula has been developed in the 'Ovaltine' Research Laboratories in the light of prolonged investigations by scientific experts in the field of dietetics. The malt extract, yeast, halibut liver oil, vitamins and iron in 'Vimaltol' are presented in a palatable and easily digestible form, which is taken readily over long periods.

When the quantity of vitamins supplied by the diet is known or suspected to be insufficient, 'Vimaltol'

will provide some of the essential accessory factors to help to render the diet balanced and adequate.

'Vimaltol' is widely recommended as a dietary adjunct of use towards meeting the higher metabolic requirements of growing children.

Standardized to contain in each ounce not less than 2,000 i.u. Vitamin A; 200 i.u. Vitamin D; 0.4 mg. Vitamin B₁; 0.3 mg. Vitamin B₂ (Riboflavin); 4 gm. Niacin (P.P. Vitamin); 3.3 mg. Iron in a readily assimilable form.

On the **PATA**

Trade Prices : 1 lb. jars 30/6 per doz.; 2 lb. jars 54/- per doz.

(Exempt from Purchase Tax)

Retail Prices : 1 lb. jars 3/6; 2 lb. jars 6/3.

For further particulars write to:

A. WANDER LTD., 42 Upper Grosvenor Street, Grosvenor Square, London, W.1.

A Product of the 'Ovaltine' Research Laboratories

T.22.



AMISYN TABLETS

for the treatment of
CHILBLAINS

Acetomenaphthone B.P. 10mg.
Nicotinamide B.P. 50mg.

COUNTER DISPLAY UNIT OF
12 CARTONS EACH 24 TABLETS
BONUS OFFER
UNTIL NOVEMBER 30th 1956
13 TO THE DOZEN

THE ARMOUR LABORATORIES
(ARMOUR & COMPANY LTD)

HAMPDEN PARK, EASTBOURNE, SUSSEX
Telephone : Hampden Park 740
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For acidosis...
recommend

Rayner's
Lembar

all the year
hot or cold

Lemons
Glucose
Scotch Barley
Sugar



MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.

Regularly needed by thousands of women

SOUTHON BRAND

**E
P**

TABLETS FOR PERIOD PAINS

**WILL BE BROUGHT TO THE
NOTICE OF THOUSANDS MORE
THROUGH . . .**

National Advertising

NATIONAL PRESS ADVERTISING

Selected Women's Journals remind thousands of women readers all over the country that they need not suffer the discomfort of period pains.

POINT-OF-SALE DISPLAY

Attractive but discreet Show-cards and Display Dispensers link your premises with the overall campaign by providing constant reminders to your women customers. Leaflets for counter distribution available on request.

SAMPLES

Generous free samples are available to enable you to prove to your potential customer that the effective combination of Ephedrine and Phenacetin has made E.P. Tablets the accepted treatment for period pains.



RETAIL PRICE: 1/11 per packet of 16 tablets including tax.

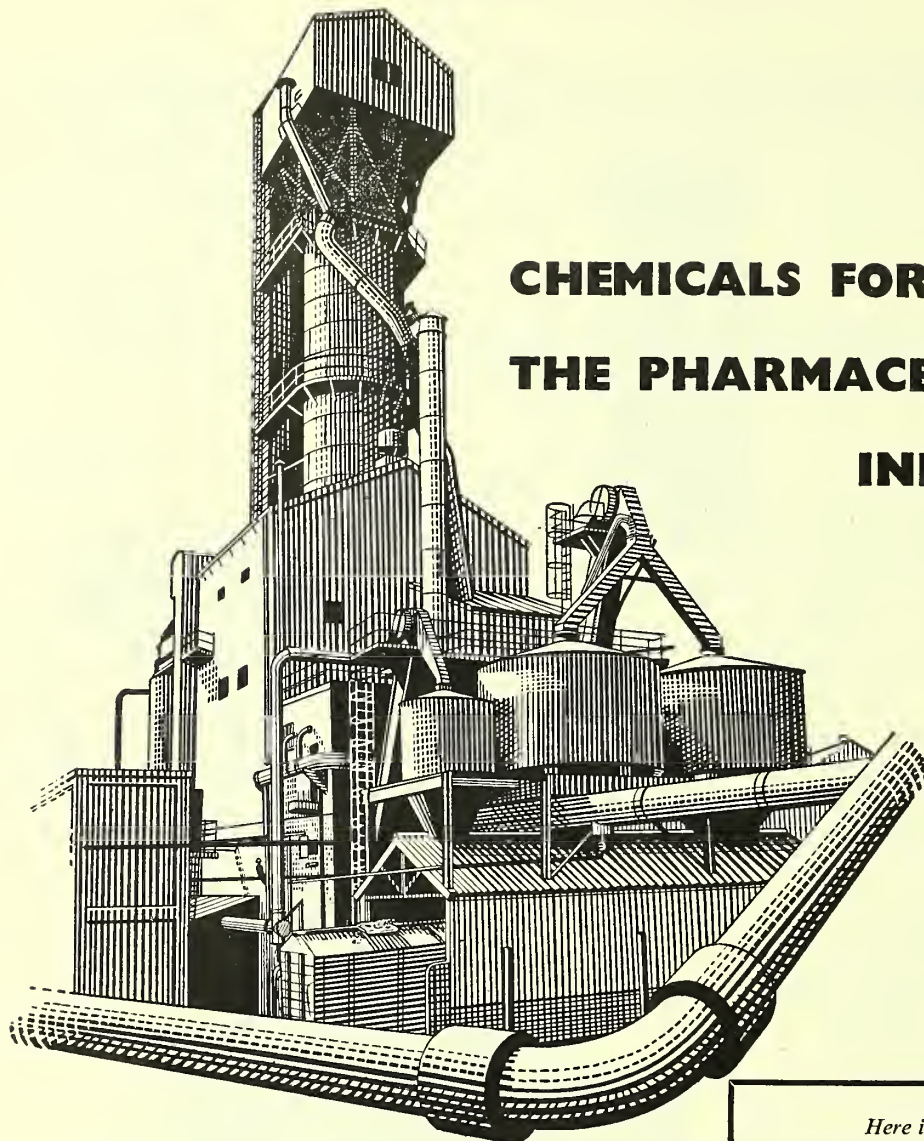
TRADE PRICE: 12/8 per dozen plus tax.



For further details please get in touch with your C.F. Wholesaler or direct to:-

SOUTHON PRODUCTS LIMITED

88 UPPER RICHMOND ROAD • LONDON • SW15



CHEMICALS FOR THE PHARMACEUTICAL INDUSTRY

This stack kiln is one of the many modern manufacturing units employed by the Company in the manufacture of its chemicals.

IT IS NOW OVER A HUNDRED YEARS since we initiated the Pattinson process to extract magnesium carbonate from magnesian limestone. The experience gained during this time has been applied to improved plant design and operation so as to combine great expansion with close quality control. Our present first-class research facilities are always available to any manufacturer requiring technical advice on problems concerning the uses of our chemicals.

Here is a list of the chemicals we manufacture for the pharmaceutical industry.

- LIGHT AND HEAVY MAGNESIUM CARBONATES B. P.
- LIGHT AND HEAVY MAGNESIUM OXIDES B. P.
- MAGNESIUM OXIDE LEVISSIMA
- MAGNESIUM HYDROXIDE B. P. C.
- MAGNESIUM TRISILICATE B. P.

Full information in the form of technical bulletins is available on request.

THE WASHINGTON CHEMICAL CO. LTD.

A member of the TURNER & NEWALL ORGANISATION.

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Agents Throughout The World

NEW . . . VASOCORT SPRAYPAK

hydrocortisone for intranasal use

Contains: Hydrocortisone alcohol 0.02% — the most effective anti-inflammatory steroid — and two decongestants: phenylephrine hydrochloride 0.125% and 'Paredrinex' (p-hydroxyamphetamine hydrobromide) 0.5%.

Indications: Nasal congestion, chronic and allergic rhinitis, and sinusitis.

No systemic side effects: When applied locally, hydrocortisone produces maximum therapeutic response with an extremely low concentration. Because of this low concentration, 'Vasocort' produces none of the side effects associated with the systemic use of hydrocortisone.

Virtually no rebound turgescence: Since 'Vasocort' contains low concentrations of each decongestant, it very seldom produces rebound turgescence.

VASOCORT SPRAYPAK

a new kind of intranasal treatment

Retail Price 5/10d. each




Menley & James, Limited, Coldharbour Lane, London S.E.5 for Smith Kline & French

*'Vasocort' is a registered trade mark

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'Tree of Life' Products

The above mentioned products are a selection taken from our list of products a copy of which will be gladly sent on request.

In addition we can offer certain of these products in tablet and ampoule form.

CARNEGIES OF WELWYN LTD

Telegrams : 'CARNEGIES, WELWYN GARDEN CITY'

Telephone : WELWYN GARDEN 5001 (10 lines)

Telex : LONDON 8676

Geigy

announce



Desogen

Trade Mark

To Introduce Desogen Lozenges

these antiseptic lozenges for sore throat are certain to sell because they are:

therapeutically efficient
pleasant tasting
non-toxic
attractively presented

Quick-acting bacteri-
cidal, safe for all ages,
no sensitization to
antibiotics.



We offer With every initial order of 2 dozen, an attractive space-saving dispenser for counter use. With each dispenser we supply 6 additional packs free.

Your outlay	£2. 0. 0.
Your return	£3. 15. 0.
Your profit	£1. 15. 0.—88%!

Desogen lozenges will retail at
2/6 for 24. Exempt from Purchase Tax.

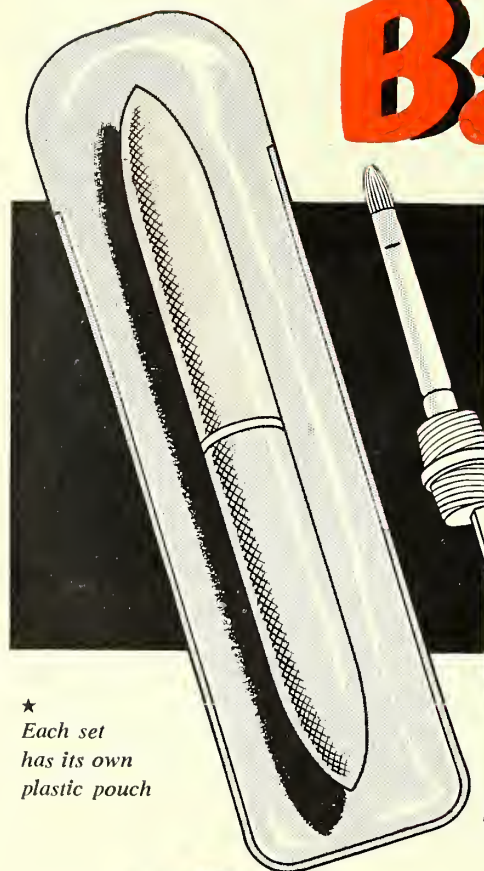
If by October 29th you have not received the reply card mailed to you, please contact us direct.

FORMULA.
Each Lozenge contains 0.5 mg. of (dodecanoyl-N'-methylaminoethyl)-(phenyl-carbamyl-methyl)-dimethylammonium chloride.



GEIGY PHARMACEUTICAL COMPANY LTD MANCHESTER

Another bright idea from **Bartletts!**

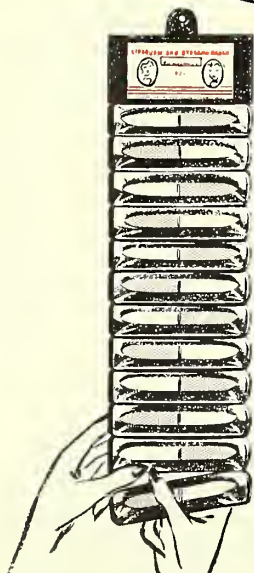


★
Each set
has its own
plastic pouch

Lip-brush at one end...



Eye-brow-brush at the other



*and look
at the neat
packaging
idea...*

The plastic display dispenser is designed to save your counter space and your time. It hangs on the wall and you simply tear off the individual pack.

Retails at

4/0
INCLUDING P.T.

Here's a cosmetic notion that's already making the tills ring on the continent! Now Bartlett's bring it to you.

It's a Combination Set . . . Lip-brush at one end and Eye-brow-brush at the other . . . in a smart pink and grey container.

This is just the novelty that beauty-conscious women fall for on sight.

★ **Order this Combination Set NOW from your usual Wholesaler.**

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is the answer

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your requirements in
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and Plastics*

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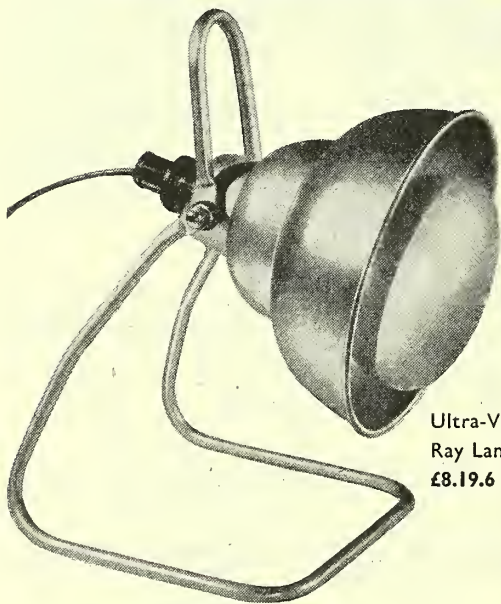
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Speed up your Despatch —

LABELS of all kinds
*— just flick them
 thro' the LABELLER*

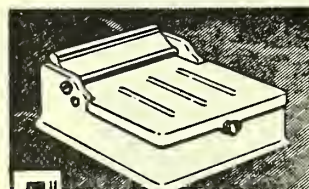


3"
LABELLER

Useful for instruction slips,
Postage stamps, etc.

The Labeller is clean and speedy in operation; with the brush moistening device labels are just "flicked through" between the pressure bar and over the brush and this ensures not too much or too little moisture to the labels, just sufficient all over moistening to gummed surface.

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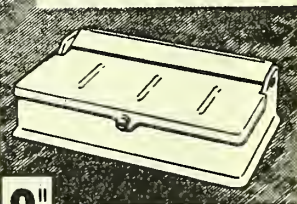


5"
LABELLER

General purpose model suitable
for labels up to 5-in. width



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LABELLER

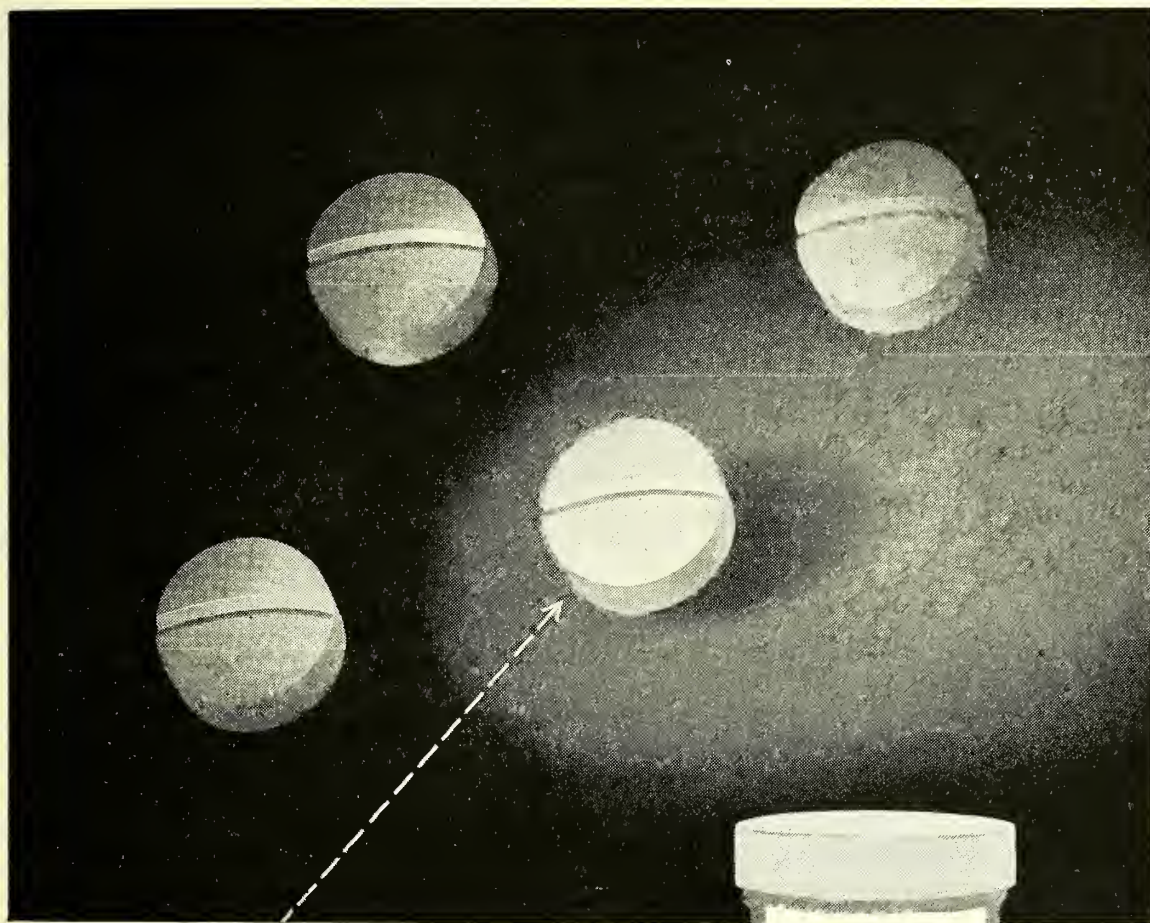
Our largest model, useful in packing
depts, for moistening larger package
and bale labels, Dampening width
is 9 in.

LIGHTNING Regd

LABELLER

Send for Illustrated Leaflet to:-
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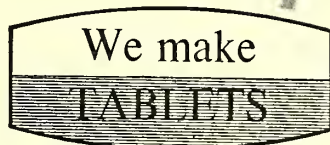
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... all that a tablet should be ... the result of years of experience and accumulated skill."

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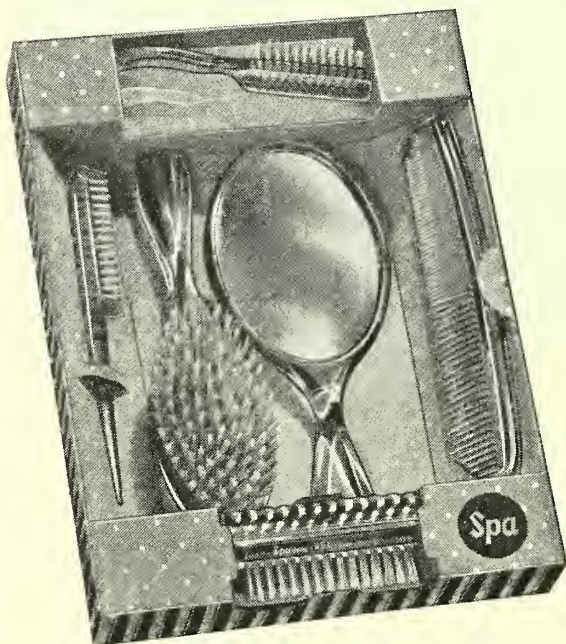
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Telephone : Hunts Cross 1321



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This Spa set retails readily at 21/9 but costs you only 16/- including purchase tax.

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SPA BRUSHES LTD
Freeman Works • Chesham • Bucks

Form E.C.10

Mr. Mrs. Miss } *Rawlinson*
(name and initials of patient)

Age if under fourteen years

Address *The Cedars*
Horley Crescent

Chemist's Stamp

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2-way stretch

In a case like
this.... dispense
BURSON

For use only by
Pricing Office

Burson Stockings, made exclusively on special knitting looms, are the product of ten years' intensive research into the making of surgical stockings.

Always dispense **and recommend** Burson 2-Way Stretch Hosiery and ensure your customers' complete satisfaction. The quality—finish—colour and durability of Burson Hose make them the first choice of those who appreciate the best. Burson Stockings are fully fashioned and virtually indiscernible in use.

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DISPENSE BURSON whenever
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- Instruction Chart with details for measuring, fitting and exact adjustment to fit and tension.
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THE "INVISIBLE"

HAIR-NET



- ★ In the self-spray bottle
- ★ The perfect promotion for the damp days ahead
- ★ Everyone will be needing ROSEDALE lacquer
- ★ make sure you have it
- ★ ROSEDALE products are being nationally advertised in women's magazines
- ★ Wholesale 20/- per dozen plus purchase tax
- ★ Retails at 4/6 per bottle showing 75% profit

Rosedale
LACQUER

4'6

ROSEDALE PRODUCTS • BIRKBECK ROAD • E.8

Now... a treatment

for **CRACKED
FINGERTIPS**

Many customers must come to your pharmacy in winter troubled with cracked fingertips. For the first time, you can offer them a cream specifically created to relieve this painful and annoying complaint. Display the Lotil carton on your counter and just count the number of new customers you make—count them in shillings, for that's just about your profit on every tube.



Trade Price 19/5 per dozen • Purchase Tax 4/9 per dozen • Retail Price 3/- each

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G & G

MILLIONS OF WOMEN

see Evan Williams advertising . . .

. . . make sure they see

EVAN WILLIAMS

Shampoos on your counter

Your customers see
EVAN WILLIAMS
advertising in
all these journals

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WOMAN • WOMAN'S OWN • WOMAN'S WEEKLY • FEMININE
SIX • LUCKY STAR • WOMAN'S ILLUSTRATED • PICTUREGOER
HOME NOTES • HOME CHAT • WOMAN & HOME • MY HOME
TRUE ROMANCES • ETC.

EVAN WILLIAMS CO. LTD • AINTREE ROAD • PERIVALE • MIDDX

'There's a Christmas Gift for everyone (and every purse)

in the wonderful THERMOS range ...'

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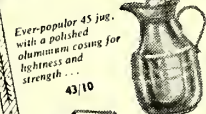


By Appointment to H.M. The Queen
Manufacturers of Vacuum Vessels



HOW MUCH SHALL WE BUDGET FOR UNCLE TIM?
Be it large or little, they're bound to please him
(and every other member of the family) because they've decided to give THERMOS this year. Yes, to everyone! There's such a helpful selection (and price range!) ... and the wonderful efficiency of THERMOS brand flasks, jugs, jars and bowls puts them high among the world's most appreciated gifts.

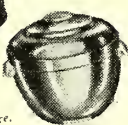
from £2-£5



Ever-popular 45 jug, with a polished aluminium casing for lightness and strength ... 43/10



Just the thing for your outdoor-loving friends ... big capacity 620 jar ... 46/7



Ideal for crushed ice, chilled fruit or salad; 420 bowl fitted with protective polythene liner ... two sizes, 67/5 & 53/4



Well tried and tested series 14 flasks ... from only 6/6



Elegant 65 jug-moulded in pastel plastic ... 14/9



and for someone special (Uncle Tim, perhaps?) this brilliant new Thermos Jug (model 57) — now in the shops just in time for Christmas.

53/11

In bright red, opal and green, primrose and black, two-tone blue, two-tone green, daffodil and black, grey and maroon ... 53/11



Sturdy, yet beautiful, 24 jug, in a whole range of colour ... 21/1



Wide-mouthed 607 jar — with 101 hot-or-cold uses at home or on holiday ... 30/4



Pretty 34 jug, whose looks belie its generous capacity ... 40/9

Handsome jug 231, with heavy chrome on brass casing ... £1.6



TV tray set, excellent idea for keeping the coffee ready for the interval; complete with tray, bone china cups and saucers, jug and sugar bowl ... £5.10.3

Special gifts from £5 Upwards

These are just a few of **THERMOS** Christmas Gift Ideas — ask at good stockists everywhere to see the range of over 40 flasks, jugs, jars and bowls.

REGISTERED TRADE MARK

That's the theme of Thermos' Christmas Advertising—soon to be seen by the millions of gift-buying readers

of

ILLUSTRATED LONDON NEWS

• SPHERE

• QUEEN

• COUNTRY LIFE

• PUNCH

• GOOD HOUSEKEEPING

• HOUSEWIFE

• HOMES & GARDENS

• FIELD

• SCOTTISH FIELD

• COURIER

Thermos sales (always good at Christmas time) are going to be even better this year ... so make sure you've adequate stocks!

THERMOS

—OVER 40 VACUUM FLASKS, JUGS, JARS AND BOWLS TO CHOOSE FROM



LIPOSTABIL

CAPSULES

for the prevention and treatment of Circulatory disorders

Now available in this country

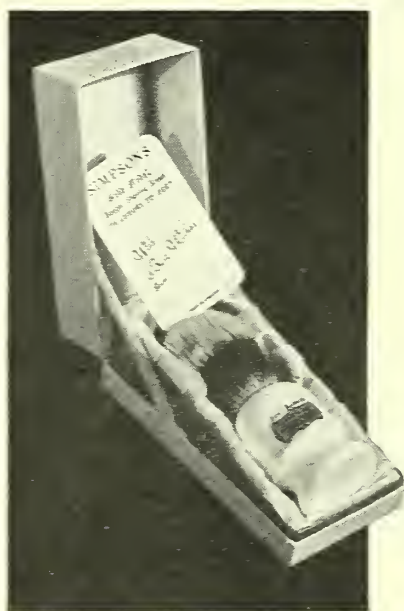
packed in bottles of 100 Capsules · Retail price 20/- per bottle

Obtainable only through Sole distributors for the United Kingdom and Commonwealth:

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Telephone: Mansion House 1321 & 6806



ENSURE THAT YOU HAVE A
GOOD SUPPLY OF

SIMPSON'S SHAVING BRUSHES

ATTRACTIVELY PACKED FOR

**Christmas
Gifts**

Available to your customers

PRICES RANGE FROM
170/- to 2400/- per doz.

other lines available with
ordinary packing

DO NOT DELAY — SEND YOUR ORDER NOW

SIMPSON'S SHAVING BRUSHES

NIMMER MILLS · CHARD · SOMERSET

TELEPHONE: CHARD 3265

ENABLE YOUR CUSTOMERS
TO GIVE THE BEST
AT CHRISTMAS

ORDER NOW A SUPPLY OF

**COATES HIGHEST
QUALITY HANDDRAWN
TOILET BRUSHES**



**PURE BRISTLE BRUSHES IN
SATINWOOD AND EBONY**

Ladies 230/- to 780/- per doz.

Gents Military 294/- to 1200/- per doz.

Also Best Quality Bath
and Toilet Brushes

COATES BRUSHES LIMITED

NIMMER MILLS · CHARD · SOMERSET

TELEPHONE: CHARD 3265

Gill's Dandruff Remover Shampoo

"... As a lifelong sufferer from Dandruff associated with itching and soreness of the scalp I use Gill's Dandruff Remover Shampoo every morning with immediate relief of the itching and soreness."

(Signed)
M.B.B.S., D.Path.

Here's

MEDICAL TESTIMONY

to the
value of

Gill's

DANDRUFF REMOVER *shampoo*

The doctor who sent us this unsolicited testimonial is one of thousands of dandruff sufferers who have found—as he says—immediate relief by using Gill's Shampoo. It will pay you handsomely to recommend this popular and effective preparation to your customers. You can confidently assure them that Gill's is medically endorsed; that it banishes dandruff at the first application; that it is suitable for men, women and children alike. One satisfied customer will tell another. Your sales of Gill's will grow and grow. At a retail price of 2/9—wholesale 18/4 per dozen—your profits from Gill's are generous—and there for your taking! Order supplies from your regular wholesaler.



MADE AND DISTRIBUTED IN 12 EUROPEAN COUNTRIES
FREE SAMPLE Generous FREE sample will be sent, together with interesting literature, on receipt of Trade Card.

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For as little as 1/- a week per worker you can win new customer approval, raise employee morale, reap big returns in increased efficiency.

Here's the nylon overall hire service that brings you savings — savings in initial costs, in replacements, in laundry bills. Now you can equip your staff, at moderate cost — with the world's most modern, most attractive overalls — mended and replaced when necessary.

Extra convenience — extra economy. These nylon overalls wash in minutes, dry in an hour, need little or no ironing. They are hardy, dust-repellent, non-inflammable. Smart and practical for shops, offices, factories — a hygienic necessity where food is handled.



Choice of
many styles
and colours
in finest
opaque
nylon.

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**LEND, MEND,
& REPLACE
SERVICE**

MINIMUM ORDER
6 GARMENTS

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by FURMAN
Grand Awards
London, Paris, Brussels

SPRAYING HAIR LACQUER

In the new super spray. This fine, fast-selling product is an article you can recommend with confidence.
Price 20/- per dozen. P.T. 18/- per dozen. Retail 4/3d.
REFILL Sachet 13/- per dozen. P.T. 11/8d. per doz. Retail 2/8d.

SPRAYING TONIC BRILLIANTINE

The ultra light, high gloss, vitaminized oil. So helpful to all drier types of hair.

Price 17/6d. per dozen. P.T. 15/9d. per dozen. Retail 3/9d.

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The nutritive 24 cream shampoos in the plastic dispenser injector bottle. Price 25/- per dozen. P.T. 7/6d. per dozen. Retail 3/9d.
In 3 shampoo tubes 5/- per dozen. P.T. 1/6 per dozen. Retail 9d.

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In 6 lovely shades. Just brushes on.

Price 17/6d. per dozen. P.T. 15/9 per dozen. Retail 3/9d.

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Which give the effect of diamonds in the hair. In 6 shades.
Price 13/- per dozen. P.T. 11/8d. Retail 2/8d.

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From your usual Wholesaler or direct.

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Phone: ARChway 1105

Millions of men and
women know that it's
KAY'S
for coughs

* feature Kay's display material
prominently on your counter

KAY'S
LINSEED COMPOUND

in syrup for the home — in pastilles for the pocket

SPECIAL DISPLAY BONUS

can give you
5% EXTRA
 ON £3 RADIAN
ORDERS!

An extra 5% profit is yours in return for a fortnight's window display. This bonus is given on all direct orders of £3 and upwards (excluding P.T.) comprising any combination of Radian products, which include:

RADIAN-B Aspirin Spirit Liniment
RADIAN-a Spirit Dressing
RADIAN MASSAGE CREAM
RADIAN SOOTHING CREAM
RADIAN-B BATH SALTS
RADIAN OVALS

Radian products are backed by regular advertising in national and provincial Press, sporting journals and women's magazines.

Send your order to:

Radiol
CHEMICALS LIMITED

78 UPPER RICHMOND ROAD, LONDON, S.W.15. (VANDyke 1642 & 2692)



Only 11 days more

in which to take advantage of the



Winter Bonus Offer

* Offer closes October 31st, 1956 send your order NOW

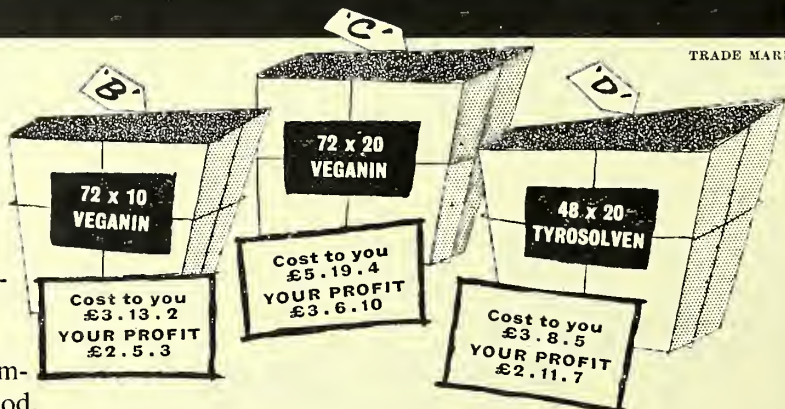
VEGANIN

TYROSOLVEN

* ORDERS should be sent direct to us but may be invoiced through your usual wholesaler.

* ALL goods will be despatched direct.

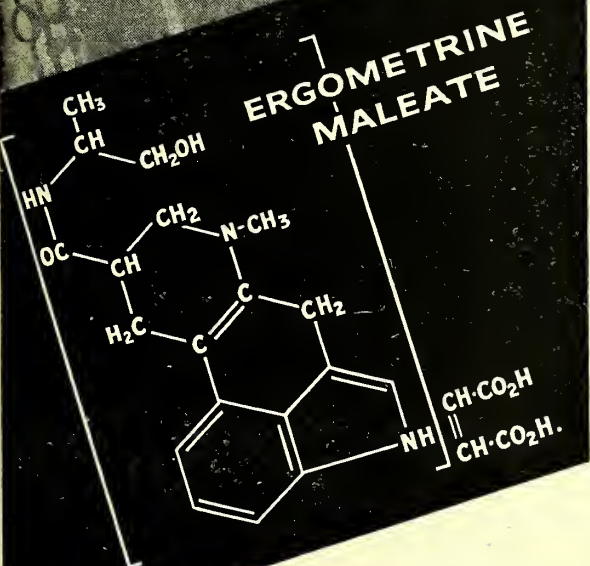
* YOU may order any number of parcels during the period.



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FOR FINE CHEMICALS

ERGOMETRINE MALEATE



Ergometrine Maleate, produced in the Fine Chemical Division of Allen & Hanburys, contains not less than 95.0 per cent of $C_{19}H_{23}O_2N_3 \cdot C_4H_4O_4$, calculated with reference to the substance dried to constant weight at 100° at a pressure not exceeding 5 mm. of mercury.

ERGOMETRINE MALEATE



MANUFACTURED IN ENGLAND BY

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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 166

October 20, 1956

No. 4000

CONTENTS

BRITISH CHEMICAL MANUFACTURERS:

Association Dinner and Annual Meeting ...	432
Correspondence ...	434
Leading Article:—	
“Pharmaceutical Tourists” ...	439
Onward from Galen ...	440
Pharmaceutical Society of Ireland: Council Meeting ...	436
Pharmaceutical Society of Northern Ireland: Annual Meeting ...	435
Pharmacy at Bristol Royal Infirmary—V ...	441
Pharmacy in Israel, 1956 ...	443
Photographic Notes ...	430
Photographic Dealers at Dinner ...	431
Proprietary Articles Trade Association ...	431
Shopfitting Problems... ..	444
Topical Reflections ...	427

Branch Meetings ...	431	News in Brief ...	427
Business Changes ...	428	News of the Week ...	425
C.&D. Retail Price List	450	New Products ...	429
Coming Events ...	449	Overseas Visits ...	428
Company News ...	428	Personalities ...	428
Deaths ...	428	Price Changes ...	450
Fifty Years Ago ...	439	Print and Publicity ...	450
Information Wanted ...	449	Scottish News ...	426
Irish News ...	426	Trade Marks ...	449
Local Officers ...	427	Trade Notes ...	429
Marriages ...	428	Trade Report ...	447

INDEX TO ADVERTISERS, Pp. 5 & 6.

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Telegrams: Chemicus, Estrand, London

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Phone: Midland 2921

GLASGOW: 35 Kingslynn Drive, LEEDS, 16: 32 Wynford Rise, King's Park, S.2. West Park.

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This
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recipe
book

means
increased sales
for you . . .

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is now appearing
in the following journals:

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SHE
WOMAN'S WEEKLY
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MODERN WOMAN
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EVERYWOMAN

**"I'm on a
sugarless diet"**

"How brave you are —
I can't keep it up!"

"You could . . . with 'SAXIN'"

"Oh, I don't like those sugar
substitutes. They make
everything taste funny!"

"Ah, that's where 'SAXIN'
is so different. It's the
sweetener with no other taste"

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to a large lump of sugar without, of course,
any effect on your waistline!
All chemists sell 'SAXIN' . . .
the sweetener with no other taste



'SAXIN'

is obtainable in handy-size tubes.
100 for 1/6, 200 for 2/9



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"DIETING NEED NOT BE DULL"
containing recipes for
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on request to Burroughs
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4475

'SAXIN' is now firmly established as
the substitute for sugar. Women
everywhere are buying "the sweetener with
no other taste" as the simple and sensible way
to reduce waistline worries.

Are you satisfied with the amount of
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is certain to result in a big increase in 'SAXIN'
sales. Be ready to get your share of these
extra sales by ordering your supplies now.
A new showcard is available on request.

WELLCOME INSTITUTE

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No.



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

2314

The CHEMIST AND DRUGGIST

Volume 166

OCTOBER 20, 1956

No. 4000

European Chemical Production

O.E.E.C. REPORTS CONTINUED EXPANSION

CHEMICAL production in Europe continued to expand during 1955 at a higher rate than total industrial production. Details collected by the Chemical Products Committee of the Organisation for European Co-operation and published recently point to the healthy state of the industry.

The report shows that chemical production rose by 11.5 per cent. in 1955, while total industrial production increased by 8.6 per cent. For the first six months of 1956 the figures are 6 per cent. and 5 per cent. respectively. The chemical industry is thus keeping up with industrial expansion but its rate of production increase is still higher than that of industry as a whole. In 1955, investment in the chemical industry was 23 per cent. greater than in 1954 and productivity—already high—also continued to increase. In the Committee's opinion, overall chemical production will continue to rise over the foreseeable future, although, for the industry as a whole, the rate of expansion is, for the time being at least, rather slower than in recent years.

total generating capacity of nuclear stations in Great Britain will be not less than 2 million kilowatts—providing power equivalent to that from 5-6 million tons of coal a year.

European Free Trade

BRITISH INDUSTRY STUDYING POSITION

THE far-reaching consequences for British industry of the present European proposals for a common market and customs union were discussed by the Federation of British Industries at a meeting on October 10. The discussion is to be resumed and completed at a special meeting on October 31, after which the Federation will report the results to the Government. This postponement should provide opportunities for further discussion by individual in-

dustries and for the consideration of industry's attitude by regional councils of the F.B.I.

N.H.S. Remuneration

SUBJECTS FOR LONDON CONFERENCE

WHEN it meets in London on November 1 the conference of representatives of Pharmaceutical Committees will have on the agenda three principal topics for discussion. They are:—

1. An offer by the Ministry to increase contractors' remuneration by 2½d. per prescription from January 1, 1956, and by 1½d. per prescription for the previous twelve months (January–December 1955).

2. A proposed Ministerial inquiry into Drug Tariff buying prices by the method of seeking information from contractors.

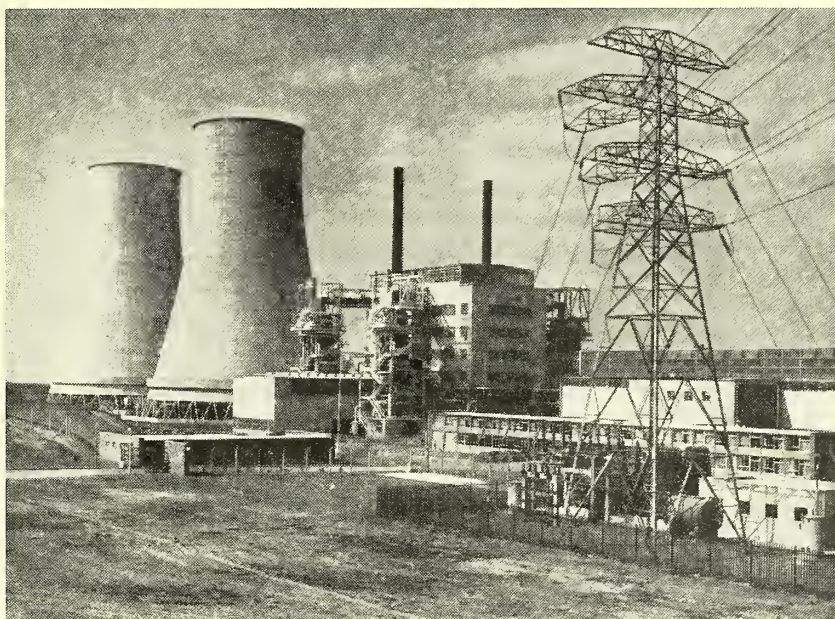
3. The suggestion in the Public Accounts Committee report that payment should be related to the number of prescriptions dispensed (i.e., a "differential" system).

The Conference will be expected to reach firm decisions on the first item, which is considered by the Staff Side of the Whitley Council to be the Ministry's final offer; and on the second.

First Atomic Power

ELECTRICITY FOR NATIONAL GRID

SOME of the electricity taken from the National Grid may now, in north-western areas, be coming from the nuclear station at Calder Hall, Cumberland. On October 17 the Queen operated a switch which directed current to the Grid and thus made Calder Hall the first nuclear power station to operate on a commercial scale. Installation cost £16½ millions, of which £7 millions was for the nuclear reactors. The station has been in construction only since 1953. A further plant, Calder B, is expected to be completed in 1958. How does uranium metal compare with coal as a fuel? If all the atoms in 1 lb. of uranium were fissioned, the energy release would be over 10 million kilowatts, the equivalent of burning completely 3,000,000 lb. of coal. Because natural uranium contains only 0.7 per cent. of readily fissionable atoms (of which only about half can be split before the reaction is "poisoned") the present heat release obtainable from 1 lb. of uranium in the Calder Hall type of reactor is equivalent to the combustion of 10,000 lb. of coal. With improvements, future reactors are expected to raise the equivalent to 1,000,000 lb. of coal. It is estimated that by 1965 the



FIRST PUBLIC-SUPPLY NUCLEAR POWER: Opened by the Queen on October 17, Calder Hall, Britain's first nuclear power station, is the first in the world to supply substantial quantities of electricity to a national system. The reactor shown is one of two at the station. It is now undergoing technical tests after having started up. At right, turbine hall; at left, cooling towers.

Russia Visited

SURGICAL SUTURES DEMONSTRATED

THE successful demonstration of surgical sutures in Moscow and Leningrad was reported on September 24 when three directors of Ethicon, Ltd., described a visit to Russia from September 1 to 22. The visit was made at the invitation of Professor Bakhoulev (president, Russian Academy of Medical Science). Demonstrations were given to the Academy, to army officials, in hospitals, clinics and universities, and there was general enthusiasm for the Scottish product, said the directors. Russia had, to a limited extent, attempted to manufacture similar surgical equipment but no bulk production had been attempted. The various audiences had indicated that they were anxious to purchase surgical sutures although the actual buying rested with the purchasing authority.

Refresher Course

EVENING LECTURES AT HOUNSLOW

A REFRESHER course in pharmacology is being organised by Hounslow Branch of the Pharmaceutical Society at Spring Grove Polytechnic, St. John's Road, Isleworth, Middlesex, commencing November 12. The course consists of between ten and twelve lectures at 7.30 p.m. on alternate Mondays, by Mr. L. Priest, M.Sc., B.Pharm., F.P.S. Fee for the course is £1, and pharmacists from neighbouring districts are invited to attend. Details are available from the branch secretary, Mr. S. G. Davis, 2 Almorah Road, Heston, Middlesex.

Pharmacists Attacked

LONDON AND MANCHESTER ROBBERIES

TWO intruders attacked, bound, and robbed Mr. J. S. McKenzie, M.P.S., when he made a late night check at his pharmacy, 85 Norwood Road, Heme Hill, London, S.E.24, on September 10. Mr. MacKenzie apparently disturbed the intruders as he entered his shop, and he was attacked with a pestle and knocked to the ground. The two attackers stole £12 cash, a camera and an electric razor. Mr. A. Woodland, M.P.S., 1022 Stockport Road, Levenshulme, Manchester, was attacked as he was locking up his shop on September 7, and five cameras were stolen by his assailant.

Chadwick Lectures

FACETS OF PUBLIC HEALTH

THE forty-fourth annual series of Chadwick lectures organised by the Chadwick Trust commences with a talk on "The Message of Public Health—How it Should be Told," by Dr. W. Emrys Davies (formerly education officer of the Central Council for Health Education) at the Royal Society of Tropical Medicine and Hygiene at 5.30 p.m. on October 23. Before the lecture (at 5.15 p.m.), the Chadwick medal and prize is being presented to Mr. J. E. Stiefel, who will be introduced by Professor T. J. Collins. The second lecture, "The Health of the Worker," is being given by Dr. P. A. Raffle (senior medical officer, London Trans-

port Executive) at the Royal Society of Health, 90 Buckingham Palace Road, London, S.W.1, at 5.30 p.m. on November 22. The final lecture of the series is the Malcolm Morris memorial lecture by Mr. J. N. Morris (director, social medicine research unit, Medical Research Council, London Hospital) on "Clinical and Community Medicine," at the lecture theatre, Wright-Fleming Institute, St. Mary's Hospital, Norfolk Place, Paddington, London, W.2, at 5 p.m. on December 6.

Chemical Works Safety

GERMAN INDUSTRY'S EXPERIENCE

A LECTURE on safety organisation in the German chemical industry is being given in York Hall, Caxton Hall, London, S.W.1, at 5.30 p.m., on October 29. The speaker will be Professor S. Balke (West German Postmaster-General) who, before his present appointment, was a director of Wacker-Chemie, G.m.b.H. He is still a member of the board of directors of the Mutual Insurance Association of the German chemical industry. Admission is free, without ticket.

SCOTTISH NEWS

Sighthill Health Centre

IMPROVEMENTS SOUGHT

A NUMBER of suggestions for improving and extending the services at the Sighthill health centre, Edinburgh, was recently submitted to the Department of Health for Scotland by a deputation comprising the ward's town councillors and representatives of organisations in the district. Among the suggestions was the provision of an x-ray service, the development of a chiropody service, a possible extension of the optical service, evening dispensing at the pharmacy, and more use of the surgical dressings rooms so that not only the doctors at the centre but doctors elsewhere, with patients at Sighthill, would be able to send their patients to the centre to get minor dressings. Mr. John Anderson (secretary of the Department of Health) agreed to examine the suggestions.

Dental Drugs

N.H.S. LIST AMENDED

THE list of drugs that may be ordered by dental practitioners under the National Health Service in Scotland has been amended by the National Health Service (General Dental Services) (Scotland) Amendment Regulations, 1956. The main alteration is the addition of penicillin tablets. The titles of some of the drugs have been amended to bring them into line with the British Pharmaceutical Codex, 1954, and the National Formulary, 1955.

Chemical Expansion

STYRENE MONOMER PLANT COMPLETED

THE major expansion of the styrene monomer plant of Forth Chemicals, Ltd., at Grangemouth, Scotland, has been completed and will come into operation during the month. It is

considered that this expansion, which more than trebles the initial capacity of the plant, will make it possible for British industry to satisfy all present needs for styrene monomer without importing from the dollar area.

IRISH NEWS

Ulster Chemists

MONTHLY MEETING OF EXECUTIVES

AT the monthly meeting of the executive committee of the Ulster Chemists' Association held in Belfast on October 2, Mr. W. S. Hall (president) was in the chair. Committee members recently elected to the Council of the Pharmaceutical Society of Northern Ireland were congratulated. Miss A. E. STRACHAN (secretary) reported that two new nominations had been received for election to the committee: Messrs. M. McKay, Ballynahinch, and James C. Wellwood, Belfast. With the seven retiring members who were seeking re-election, that made nine candidates for eight vacancies. There would therefore be a contest, and each member would be receiving a voting paper. Those seeking re-election were Messrs. J. A. Brown, H. G. Campbell, R. Gibson, T. A. Gibson, C. L. Gordon-Rattie, N. A. J. Anderson, A. Steede. The annual meeting was fixed for November 29, and it was decided to start that meeting at 7.45 p.m. so that provincial members could attend. The committee's annual report was approved for printing, and the balance sheet prepared for audit by the treasurer (Mr. W. J. Rankin) was received. The following were elected to membership:—Mrs. I. Topping, Ballinamallard, co. Fermanagh; and Ulster Chemists, Ltd., 22 Rathmullin Drive, Newtownards (branch). THE SECRETARY reported that members of a subcommittee had attended a meeting of Hollywood chemists at which it had been agreed that a local six-weekly rota of late service should be given a six months' trial. Price changes were approved, accounts were passed, and routine business received attention. Miss June Ramsey was appointed to the office staff to fill a vacancy created by Mrs. Coulter's resignation.

Also present were Misses C. B. Abernethy, C. E. Culbert, Messrs. J. C. Acheson, H. S. Anderson, N. A. J. Anderson, W. H. Boyd, J. A. Brown, J. Caldwell, H. G. Campbell, H. W. Gamble, R. Gibson, T. A. Gibson, C. L. Gordon-Rattie, W. J. Moffett, M. C. Mooney, W. L. McDonnell, R. A. McEwen, J. McGregor, W. R. McNabb, C. A. Quinn, W. J. Rankin and A. Templeton. Apologies for absence were received from Messrs. J. Paul and A. Steede.

IRISH BREVITIES

APPLICATIONS for admission to the Pharmaceutical Society of Northern Ireland Final Part I and Final Part II examinations, which are being held in December, should be sent to the secretary, 73 University Street, Belfast, before November 1, 1956.

THE annual dance in aid of the Northern Ireland Chemists' Benevolent Fund is being held in the Orpheus ballroom, Belfast, on November 13. Applications for tickets should be made to the secretary of the Pharmaceutical Society of Northern Ireland.

NEWS IN BRIEF

SIR Hugh Beaver has been elected deputy president of the Federation of British Industries.

FORTY members of the Indian Medical Association visited the Wellcome Museum of Medical Science and the Wellcome Research Laboratories on September 28.

SALES for the financial year ended September 1 of the pharmacy department, Plymouth Co-operative Society, Ltd., increased by 9.6 per cent. compared with 1954-55 to £228,542.

THE Association of British Chemical Manufacturers is preparing a second supplement to its 1949 report on the chemical industry to indicate the position at the end of 1956.

DRUGS in pill and capsule form were paired with sweets in a display stressing the importance of keeping medicine out of the reach of children at Cheltenham home safety committee's recent exhibition.

A CHEQUE for £100,000 was presented by Lord Nuffield on October 12 to establish a chair of dental research in the new department of dental science at the Royal College of Surgeons, London.

THE Pharmaceutical Society has advised all chemists not to sell to children under sixteen any substances used in making fireworks (chlorates, nitrates, magnesium, potassium permanganate, sulphur, powdered aluminium, phosphorus).

A PLAQUE to commemorate the foundation, 250 years ago, of R. Twining & Co., Ltd., tea merchants, in premises still occupied by the company at 216 Strand, London, W.C.2, was unveiled by the mayor of Westminster on October 9.

THE Purchasing Officers Association has elected the following officers: *President*, Mr. R. J. Mitchell (Morgan Crucible Co., Ltd.); *chairman*, Mr. C. F. Huebner (British Oxygen Co., Ltd.); *treasurer*, Mr. A. N. Meier (London Brick Co., Ltd.).

THE pharmaceutical service committee of Sheffield Executive Council has recommended that £21 should be withheld from the remuneration of a chemist who accidentally transposed the labels on two bottles, one a mixture and the other a gargle.

AYR Executive Council is asking Ayrshire Local Pharmaceutical Committee whether it thinks that the shortage of qualified pharmacists is likely to become a national problem and, if so, what methods can be employed to arrest that tendency.

MEMBERS of Romford Branch of the Pharmaceutical Society meeting on September 24 to consider reports of delegates to the British Pharmaceutical Conference decided that the Conference had little to offer the retail pharmacist "who forms the backbone of the Society" and so was worthy of consideration.

LOCAL OFFICERS

PHARMACEUTICAL ASSOCIATIONS

Eastbourne. — *Chairman*, H. J. Scath; *vice-chairman*, T. G. Honnisset; *secretary*, D. Corden, 118 Cavendish Place, Eastbourne.

TOPICAL REFLECTIONS

By Xrayser

Doctors' Drug Stocks

It may be recalled that one of the suggestions embodied in the Guillebaud report was that there should be introduced in England and Wales a doctors' stock-order scheme on the lines of that obtaining in Scotland. With a surprising lack of understanding of the purpose of the scheme in Scotland, the committee thought that its introduction in the south would save dispensing fees. I pointed out at the time (*C. & D.*, February 11, 1956, p. 133) that the Scottish stock order was only for "such drugs and appliances as are required for immediate administration or application, administered by him in person, or to be used before a supply can be obtained by the patient otherwise under the regulations" and that the Guillebaud committee appeared to have misconstrued the meaning of the scheme. One gathers from a recent paragraph (p. 267) that some chemists in Aberdeen and Kincardine feel that there has been a departure from the purpose and scope laid down in the regulations, and there were allegations at a meeting of the Executive Council that some doctors were doing precisely what the Guillebaud committee suggested, namely, stocking large quantities of drugs and by their distribution denying chemists their dispensing fees. I note that the Executive Council has asked the Department of Health to ensure that doctors keep only reasonable quantities of drugs. The pricing bureaux should be in a position to supply the Department with some data, but who is to decide what is a "reasonable" quantity?

A New Session

By this time most of the schools of pharmacy will have embarked on a new term, and the students will be getting to grips with the formidable syllabus laid down for them by the Pharmaceutical Society. We still have teachers in the subject of pharmaceuticals whose entrance into pharmacy was the time-honoured apprenticeship, but one wonders how many are left, and who or what is to take their place when their period of service expires and they go into honourable retirement. It cannot have been an easy matter for them to adapt themselves to the striking changes that have taken place, and it may be argued that modern pharmacy will no longer have need for the practical pharmacist as such on the teaching staff. It may be that the need will be more properly met by someone whose training has been in the field of manufacturing or in the research laboratory. But there are many who look forward apprehensively to the elimination of the teacher who was trained in the traditions of the chemist and druggist. He was able to impart something of the atmosphere of pharmacy, born out of his own early experience. The same problem is bound to arise in the appointment of examiners in pharmaceuticals, and it will be a sad day when the only available source is academic.

The Pharmacist's Role

Lest it be thought that the preceding paragraph is a sighing for the times that are gone, I think it should be borne in mind that, with all the changes that have taken place over the years; with all the advances in medical and pharmaceutical knowledge; with all the disappearances of time-honoured remedies—pills, infusions, plasters and the rest—one thing never changes, and that is the unique position of the pharmacist in his relations with the public. An ability to juggle with structural formulas or to talk learnedly on pyrogens is extremely useful, and a necessary part of the complex creature who today sees his name on the register for the first time. But it is only when he finds himself in a responsible position in pharmacy that he begins to realise that the college did not teach him everything. Nothing other than experience can equip him for the wide and varied duties which will be his lot when he assumes full and sole responsibility for his actions. There are many, stigmatised today as old-fashioned, who think that there are only one place and one time for the acquiring of that knowledge and experience, and they may still be right.

COMPANY NEWS

Last year's figures in parentheses

HORLICKS, LTD. — Ordinary dividend for year ended March 31 is maintained at 35 per cent, with a final dividend of 16½ per cent, and a bonus of 5 per cent. The group profit amounts to £796,035. (With the inclusion of special credits totalling £70,428, the previous year's balance was £749,157.) After tax, there is £357,010 (£340,532) comprising the parent's net profit of £308,277 (£248,058) and that of subsidiaries £48,733 (£92,474).

SAVORY & MOORE, LTD. — A 10 per cent. dividend, as forecast, on £250,000 Ordinary as increased by 66⅔ per cent. scrip issue (against 16⅔ per cent. on the old capital) is proposed for the year ended March 31. Group trading profit after deducting loss is £164,782 (£158,748). Minority interests and taxation absorb £88,756 (£81,491). Net profit is £76,026 (£77,257), plus dividends by parent from subsidiaries £811 (£4,608). Transfer to reserve is £5,000 (same) and to capital reserve £3,456 (£89,559).

BRITISH GLUES & CHEMICALS, LTD. — The company has purchased the Toro Soap Co., Ltd., and its subsidiary Fontaine (Perfumes), Ltd. Mr. Leslie Colne, who acquired a controlling interest in the latter companies in August 1955, has been appointed to the board of Personality Beauty Products, Ltd.; Standard Soap Co., Ltd.; Fontaine (Perfumes), Ltd.; and Toro Soap Co., Ltd. As sales director, Mr. Colne's offices will be at Imperial House, Kingsway, London, W.C.2. The Castle Brunswick works of the Toro Soap Co., Ltd., have been closed, and the manufacturing facilities have been transferred to Ashby-de-la-Zouch.

BUSINESS CHANGES

THE telephone number of Menley & James, Ltd., Coldharbour Lane, London, S.E.5, is now Brixton 7722.

MISS MARGARET P. STOKES, M.P.S.I., has opened a pharmacy at the Square, Cahir, co. Tipperary, Eire.

MR. JOHN P. DOLAN, L.P.S.I., has opened a pharmacy at Glaslough Street, Monaghan, Eire.

MISS MARY C. McDONALD, M.P.S.I., is opening a pharmacy at Goresbridge, co. Kilkenny, Eire.

THE pharmacy of Mr. J. K. O'Shaughnessy, at Achill Sound, co. Mayo, Eire, has been acquired by Mr. J. G. McHugh, M.P.S.I.

HOBERT MANUFACTURING CO., have opened new and more extensive premises at 66 Paradise Street, Liverpool (telephone: Royal 3254).

MR. J. J. FORRESTAL, M.P.S.I., has acquired the business of Swanton's pharmacy, 59 Pearse Street, Clonakilty, co. Cork, Eire.

GEIGY PHARMACEUTICAL CO., LTD., are removing to Roundthorn Estate, Wythenshawe, Manchester, 23, on October 22 (telephone: Wythenshawe 4261).

PLYMOUTH CO-OPERATIVE SOCIETY, LTD., are opening a pharmacy at Pomphlett Road, Plymstock,

on October 22, bringing the number of pharmacies under their control to eighteen.

Appointments

ROBERTS WINDSOR SOAP CO., LTD., have appointed Mr. J. H. Brown., 17 Green Road, Knock, Belfast, their representative in Northern Ireland.

JOHN RICHARDSON & CO., LEICESTER, LTD., Evington Valley Road, Leicester, have appointed Mr. R. A. Crosby their representative for the West Midlands area.

JOHN DALE, LTD., New Southgate, London, N.11, announce that Mr. C. J. Child, who has been sales manager of the packing division for some years, has been appointed acting secretary of the company, and that Mr. S. G. H. Davis has joined the company as sales manager.

MARRIAGE

ALLAN—MORRIS. — At Longside and Shawlands U.F. Church, Glasgow, on October 10, James Allan, M.P.S., 231 Auldhouse Road, Glasgow, S.3, to Jean Muriel Lang Morris, 229 Auldhouse Road.

DEATHS

BAUGH. — At his home at Ongar, Essex, on October 9, Mr. John William Mahanoora Baugh, F.P.S., aged eighty-six. Mr. Baugh had been in business at Ongar for many years. He is survived by his daughter, Miss D. M. Baugh, F.P.S.

CARTLEDGE. — On September 23, Mr. Percy Charles Cartledge, F.P.S., The Old Post Office, South Gorley, Fordingbridge, Hants. Mr. Cartledge qualified as a chemist and druggist and passed the Pharmaceutical Chemist examination in 1905.

SHARPE. — At Ponsbourne Manor, Hertford, recently, Mr. A. J. Menzies Sharpe, a director and the founder of Bioglan Laboratories, Ltd., aged seventy-five. The business interests of Mr. Sharpe are being carried on by his son.

TREVAN. — At his home at Addiscombe, Surrey, on October 13, Dr. J. W. Trevan, F.R.C.P., F.R.S., formerly director of the Wellcome Research Laboratories, Beckenham, Kent, aged sixty-nine. Dr. Trevan was a physiologist and pharmacologist of outstanding distinction, and a pioneer in the application of statistical methods to the biological assay of drugs. He entered St. Bartholomew's Hospital, London, in 1906, obtained a B.Sc. in physiology in 1908, and graduated M.B., B.S., London, in 1911. From 1917 until Christmas 1918 he served with the Royal Army Medical Corps as pathologist, being then recalled to Britain to assist in coping

with the influenza epidemic of that period. In May 1920 he joined the Wellcome Physiological Research Laboratories as head of the department of pharmacology, and in 1940 succeeded Dr. R. A. O'Brien as director of the Laboratories. Two years later he became a director of the Wellcome Foundation, Ltd., and for some months before his retirement in 1953 he combined with his other duties that of acting director-in-chief of the Wellcome Research Institution. Dr. Trevan's researches were concerned with bacterial toxins, snake venoms, the action of local anaesthetics, the physiology of the kidney, the nervous control of respiration, and traumatic shock. His most important single piece of work is held to be that on the biological assay of drugs; his paper on that subject was published in the *Proceedings of the Royal Society* in 1927. His achievements in biological assay won for him an international reputation, and he served on the Biological Standards Commission of the League of Nations, on the British Pharmacopoeia Commission, on several committees of the Medical and Agricultural Research Councils, and on the board of studies in pharmacology of the University of London. He was a member of the Lister Institute, and was president of the section of therapeutics of the Royal Society of Medicine, 1937–38. His election to fellowship of the Royal Society came in 1946, and he had also served as governor of St. Bartholomew's Hospital Medical College and first vice-president, British region, of the Biometric Society. Dr. Trevan was twice married. His first wife died in 1937, and he subsequently married the daughter of Sir Hubert Llewellyn Smith. There were three sons and two daughters by the first, and one son and two daughters by the second marriages. The funeral was at St. Aubyn's Congregational Church, Upper Norwood, on October 18.

PERSONALITIES

MR. F. G. HILL, M.P.S., has been elected chairman of Bognor Regis chess club.

MR. G. RAINE, B.Sc., F.P.S., took up his appointment as chief pharmacist at St. George's Hospital, London, S.W.1, on October 15.

OVERSEAS VISITS

MR. C. M. HOULTON, general sales manager of Borax Consolidated, Ltd., flew to the Far East on October 2 for a visit of several weeks. In Hong Kong and Japan he will be visiting the company's agents, Government departments, industrial and agricultural research centres, and some of the industrial users of boron products.

MR. R. M. BADDELEY, advertising and marketing manager of Vitamins, Ltd., and a director of Vitamealo Sales, Ltd., left by air this week for an extensive business tour of the United States and the West Indies. Mr. Baddeley, who expects to be away for about five weeks, is chairman of the Society of Typographical Designers and a member of the Incorporated Society of Advertising Managers.



TRADE NOTES

100-Tablet Bottle Available.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce that, in addition to the packs of forty and 500 tablets, Cortelan tablets, 25 mgm., are now available in bottle of 100.

Now With Applicator.—The pack of Denclen denture cleanser, the manufacturers of which are Krauth Chemicals, Ltd., Weybridge, Surrey, now includes a synthetic sponge applicator. There is no change in price.

Addition to Range.—G. D. Searle & Co., Ltd., Lane End Road, Bucks, have made available a bottle of forty tablets of Pro-Banthine with phenobarbitone, in addition to the 100 and 1,000 tablet bottles.

School Films.—Recent additions to the range of black-and-white sound films available from the G.B. Film Library, 1 Aintree Road, Perivale, Greenford, Middlesex, include "Animal Homes," showing the types of places in which wild animals choose to build their homes (one reel; eleven minutes); "The Pilgrims," the story of the Mayflower and first English settlement in New England (two reels; twenty-two minutes); and "People of Spain" (one and a half reels; fifteen minutes), tracing the successive waves of peoples who occupied Spain and the ways in which they have left their mark on the Spanish people.

Sun Lamps.—The termination on October 6 of British Summer Time for 1956 brought a reminder that health lamps are about to become of greater interest to customers. Among suppliers are BARBER ELECTRICAL SERVICES, LTD., Birmingham, 16, whose latest "596" model was introduced "to meet the ever-present demand for quality at low cost"; ELECTRO-MEDICAL HIRE, LTD., 74 New Cavendish Street, London, W.1, who market the Elmed range of prescription medical lamps; the HANOVIA LAMPS division of Englehard Industries, Ltd., Slough, Bucks, who are at present conducting a national window display competition open to all dealers; PERIHEL, LTD., 29 Rabbit Row, London, W.8, whose recent reorganisation of production has enabled them to reduce the price of their Actinea "portable sun"; PHILIPS ELECTRICAL, LTD., Century House, Shaftesbury Avenue, London, W.C.2, who offer portable infra-red and ultra-violet lamps; PIFCO, LTD., Watling Street, Manchester, whose Sunmaster is a compact mercury-quartz sunlamp; and ULTRA-VIOLET, LTD., 4 Vernon Place, London, W.C.1, manufacturers of the New Cardinal popular-priced infra-red lamp.

Silicone Protective Cream.—The silicone barrier cream, Syl, marketed by Lloyd-Hamol, Ltd., 11 Waterloo Place, London, S.W.1, was demonstrated in London on October 9. A patch of skin on a subject's hand was painted with gentian violet. Half of the patch was then covered by a layer of Syl. When acid was painted over the entire area covered by the dye it was seen that only the portion of dye uncovered by the cream was decolorised, showing that the cream had acted as a barrier to the acid. A similar test was per-

formed with fluorescein which was painted on the back of both hands, one of the coatings being subsequently covered with a layer of Syl. When the hands were held under ultra-violet light they fluoresced equally. After washing with a household detergent it was seen that the hand that had been protected by the cream fluoresced much more strongly than the other, showing that the Syl was impermeable to the water. Another test involved the treatment of one whole hand with the cream. Both hands were then covered in a layer of a soot-oil mixture. After washing with soap and water the protected hand was

almost perfectly clean but the other hand showed ingrained dirt.

The Address.—Medo-Chemicals, Ltd., are at 144 Fortress Road, London, N.W.5. [Corrected note.]

Bonus Offers

BENGUE & CO., LTD., Mount Pleasant, Alperton, Wembley, Middlesex. Pulmo Bailly. Autumn bonus ends October 20.

FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1. Mistol Mist nasal spray, twenty-four for price of twenty-two plus an extra 5 per cent. on orders for four doz. Until November 30. [Corrected note.]

NEW PRODUCTS AND PACKS

Dual-purpose Barrier Cream.—Imperial Chemical (Pharmaceuticals), Ltd., Fulshaw Hall, Wilmslow, Ches, are marketing a new wet/dry barrier cream for household use. Savlon-2 protects the hands for both wet and dry work. It is issued in a collapsible tube.

Prednisone and Prednisolone.—Merck-Sharp & Dohme, Ltd., Hoddesdon, Herts, are marketing two new steroid formulations Deltacortone (prednisone) and Codelcortone (prednisolone) for use as anti-inflammatory agents in rheumatoid arthritis and other suitable conditions. Each is presented in packs of thirty, 100 and 500 (for dispensing) 0.5-mgm. tablets. [Supplied to hospitals only.]

Roundworm in Cats and Dogs.—Aspro-Nicholas, Ltd., Slough, Bucks, announce the issue of Sherley's (new formula) roundworm tablets, which do away with the necessity for fasting and purging the animal. The pack is a "sealtite" container which protects the tablets from varying atmospheric conditions. A point-of-sale display outer contains 2 doz. packs, each of six tablets, and occupies only 4½ in. of counter space.

"Folding" Clothes Brush.—The Twinco Slidaway folding brush, newly marketed by Jarrett, Rainsford & Laughton, Ltd., Warstock, Birmingham, has a flat plastic case, size 4 x 2½ x ⅜ in., with sliding lid which, when withdrawn and slid into a base socket, brings rows of bristles into an upright rigid position to form a clothes brush. When the lid is withdrawn from the base the bristles collapse, and the lid can be reinserted.

Long-acting Rubefacient.—Horlicks, Ltd., Pharmaceutical Division, Slough, Bucks, have introduced a new long-acting safe rubefacient, Rubriment. Issued in two non-greasy forms (cream and liniment), Rubriment is designed to provide relief in muscular rheumatism, lumbago, fibrositis, strains and sprains. The cream, which is rapidly absorbed, needs only one application; if massage is required, the liniment is suitable. Marketed as an "ethical," Rubriment may be prescribed on EC10 forms. Its active ingredients are nicotinic acid benzyl ester, 2.5 per cent., and capsaicin, 0.1 per cent. The cream is issued in a tube of 20 gm. approx. and the liniment in bottle of 2 fl. oz.

Oral Cholecystographic Medium.—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex, announce the introduction of a new oral

cholecystographic medium: Biliodyl brand phenobutidil. The product may be employed by the usual technique for oral cholecystography, the interval between ingestion and maximum gall-bladder concentration being the convenient one of about twelve hours. The average adult dose (six tablets = 3 gm.) may be increased if desired. Excellent visualisation of the gall bladder is claimed when no gross dysfunction is present. In addition, there is, in most cases, visualisation of part or even of the whole of the biliary tree. Side effects, apart from the nausea commonly complained of by gall-bladder patients, are understood to be mild and infrequent, since Biliodyl is "probably superior in respect of tolerance to other similar agents in use" (unabsorbed residues in the hepatic flexure are not seen). Biliodyl is supplied in tube of six 0.5-gm. tablets.

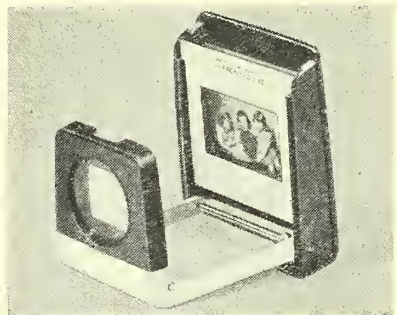
Burn and Wound Cream.—Cuxson, Gerrard & Co., Ltd., Fountain Lane, Oldbury, Birmingham, announce the introduction of a new C.F. speciality, Aidx burn and wound cream. The product incorporates a number of new



antiseptics and antibacterial substances in a neutral, non-greasy ointment base. The essential components are amino-acridine hydrochloride, which inhibits growth of staphylococci at concentrations of 1 in 80,000; Phenoxetol, an agent predominant in the treatment of Gram-negative organisms such as *Pyocyanus*; and benzocaine local anæsthetic. With every 1 doz. collapsible tubes are issued a crowner and carton base.

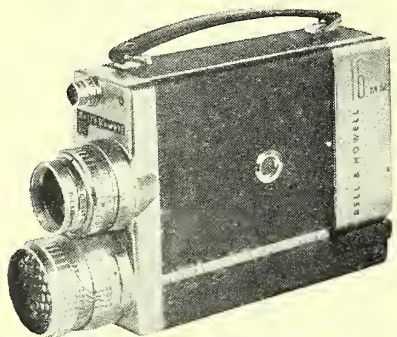
PHOTOGRAPHIC NOTES

Pocket Viewer for Transparencies.—Kodak, Ltd., Victoria Road, Ruislip, Middlesex, are marketing a new pocket viewer for 2-in. square colour transparencies. The viewer has been designed to fold flat for carrying in the



pocket when not in use. It consists of a slide-holder and magnifier attached to a base. The hinged base springs open when a small catch is released, and the magnifier is then quickly erected. A ground and polished convex lens magnifies the image about four times. The viewer is marketed in a two-tone colour combination of brown and beige plastic.

"Electric Eye" Cine Camera.—The world's first motion picture camera that automatically adjusts itself to light—the Bell & Howell 200-E.E.—is soon to be available in Britain. Whenever the control button is pressed, a photo-electric cell or "electric eye" moves into action, evaluating the amount of light illuminating each scene and simultaneously transmitting the information to an electric motor in the base of the camera, thereby



200-E.E., 16-mm. magazine-load motion picture camera with "electric eye" (Bell & Howell, Ltd., 17 Hanover Square, London, W.1).

adjusting the 20-mm. $f/1.9$ lens of the 16-mm. camera to the correct exposure. Exposure-response speed is one f-stop per sec. The electric motor is powered by six small, low-cost mercury-cell batteries which last about twelve months under most conditions of storage and use. The permanently mounted 20-mm. extra field lens has all its blades made of a new lightweight, strong material called mylar. A red flag warning signal appears in the view-finder when lighting conditions are not sufficient. It remains there until conditions are suitable for filming sharp, clear shots. The makers

are Bell & Howell Co., Ltd., 17 Hanover Square, London, W.1, from whom further particulars may be had.

8-mm. Screen.—A new portable movie screen, designed for the 8-mm. cine film user, is the latest addition to the G.B.-Bell & Howell range of cine equipment available from Rank Precision Industries, Ltd., 37-41 Mortimer Street, London, W.1. The screen, the Miralux, has a glass-beaded surface 40×30 in. in area, and weighs only 10 lb. Its tripod mounting ensures complete stability.

Photographic Thermometers.—In specially designed plastic case (which provides also a convenient means of storage with safety), the Paterson spirit thermometer marketed by R. F. Hunter, Ltd., 51 Gray's Inn Road, London, W.C.1, is certified accurate within $\frac{1}{2}^{\circ}$ F. and issued with a National Physical Laboratory certificate in each pack. For colour processing and for black-and-white work in which the



Paterson certified thermometer (R. F. Hunter, Ltd.).

highest accuracy is sought the Paterson mercury thermometer, with a certified accuracy of $\pm 1/5^{\circ}$ F., is to be preferred.

Gift Outfits.—Kodak, Ltd., Kingsway, London, W.C.2, have produced four gift outfits for the coming season: The Brownie 127 and Brownie Cresta (each containing camera, carrying case and two Verichrome pan films); the Brownie flash (Flash II camera, flash-holder, flash-guard, battery, five flash bulbs, carrying case and two Verichrome pan films); and the Kodak Bantam (Bantam Colorsnap camera, carrying case, flash-holder, flash-pack, battery, four flash bulbs and two Kodachrome films).

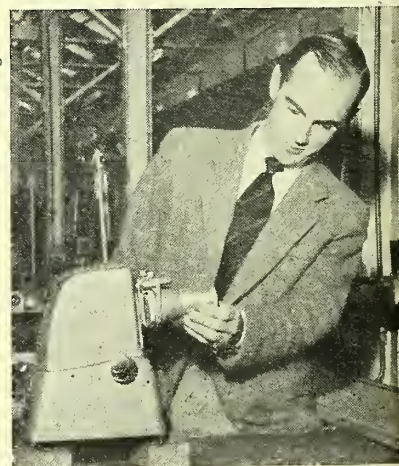
At Photokina.—Johnsons of Hendon, Ltd., exhibited at the Photokina (international photo and cine exhibition) in Cologne, Germany, September 29 to October 7. It was the company's second appearance at Photokina. They are convinced that that exhibition is worth both the expenditure and time involved, as it gives them an opportunity of meeting their agents from all over the world, apart from letting the German public know that Britain can also manufacture photographic goods. On their stand were exhibited the new super gloss dryer model 65 for roll head strip and post card glazing, the model 35 super gloss dryer and the new mark II super speed mercury vapour enlarger printer. A range of photographic accessories, including the enlarger time switch that was well received in 1954, was also exhibited. Greatly enlarged photo-

graphs illustrated the popular liquid fine grain developer Unitol and the new Unitex fine grain developer for super speed films. Only a small part of the stand was used for exhibition purposes, the remainder being divided into two comfortable conference rooms where the company's agents and friends could meet for discussion.

"Most Complete" Flash Gun.—What is described as the most complete flash equipment on the market—the Kobold B.C. flash gun—is being marketed by R. F. Hunter, Ltd., 51 Gray's Inn Road, London, W.C.1. The Kobold B.C., designed "on the battery-capacitor principle," ensures uniform firing and standard exposure irrespective of the condition of the battery. A standard 22.5-volt hearing-aid battery is used; it lasts for over twelve months and gives one thousand flashes. The gun takes both midget bayonet-fitting bulbs and the bigger standard Edison-

screw bulbs. An ejector fitting ejects the discharged bulb and thus saves the fingers from being burned. The Kobold B.C. is available as a gun complete with mounting plate, or without camera bracket but with an accessory shoe.

KEEN CAMERAMAN



IAN CRAIG AT ALDIS WORKS: Ian Craig, pharmacist and youngest member of the Australian Test cricket team, recently toured the Aldis factory at Birmingham. He said he had never seen "such a wonderful collection of automatic machines capable of every conceivable time-saving operation to keep prices down." The illustration shows him inspecting equipment at the Aldis factory. On the day after the final Test he visited the showroom of Neville Brown & Co., Ltd., 77 Newman Street, London, W.1.

PROPRIETARY ARTICLES TRADE

General meeting and anniversary luncheon of Association

THE Proprietary Articles Trade Association is holding a general meeting of members of all sections at the Cornwall Room, Connaught Rooms, Great Queen Street, London, W.C.2, at 3.30 p.m. on Thursday, November 8, to consider and, if thought fit, confirm the revised constitution and rules of the Association adopted unanimously by the Council at its meeting on October 11. The meeting will also provide an opportunity to discuss the position of the Association and its members in relation to the provisions of the Restrictive Trade Practices Act.

Before the general meeting a luncheon, under the chairmanship of the president (Mr. Norman Dewey) is being held in the Balmoral Room, Connaught Rooms, at 12.30 for 1 o'clock. The function has been arranged by the Council for the dual purpose of commemorating the sixtieth anniversary of the foundation of the Association and of inaugurating its revised constitution and rules and the new procedure for price protection which have been made available to members. Members wishing to attend are asked to make early application to the secretary for tickets (30s. each inclusive of cocktails and wines), which will be allocated to the three sections, and in strict rotation.

Television Programme Protest

The Fair Prices Defence Committee has sent a letter to the Director-General, British Broadcasting Corporation, registering a "very strong protest"

against the unfair presentation of the case about Resale Price Maintenance in the B.B.C. television programme "Panorama," broadcast on October 15. The letter states that it seemed abundantly clear that Mr. Woodrow Wyatt had made up his mind in advance that resale price maintenance was contrary to the public interest, and all the questions he put to those concerned were designed to bring out replies of the kind required to prove his case. In fact, far better coverage was given to the witnesses against resale price maintenance than to those in favour of it. In particular, the remarks of the "typical chemist" were so cut as to be almost meaningless, while remarks of Mr. Sainsbury (an opponent of resale price maintenance) were technically much better presented than those of the president of the Proprietary Articles Trade Association. The Committee considered it wholly wrong that Mr. Woodrow Wyatt should have been allowed several minutes at the conclusion of the programme to give a one-sided summing up of the case against resale price maintenance without mentioning any of the points in its favour. Since the subject is admittedly controversial and the Government has made special provision, through the Restrictive Trade Practices Act, for individual manufacturers to enforce their price-maintenance conditions by legal process, the Committee has asked for arrangements to be made to rectify the one-sidedness of the broadcast.

evening was the unprogrammed but not, perhaps, unprepared speech, of Mr. G. H. Wright, M.P.S., A.R.P.S., in acknowledging the presentation to him by Mrs. Butterwick of the members' exhibition challenge cup, of which he was this year's winner. The cup is donated by the Federated Photographic Manufacturers.

BRANCH MEETING

EDINBURGH AND DUNDEE

A Loophole in the Legislation

A SUGGESTION that, to prevent use of the title "chemist" in unregistered premises, a redrafting of the appropriate clause in the Pharmacy and Poisons Act, 1933, should be recommended by the Pharmaceutical Society when new legislation is being considered was made by Mr. C. C. STEVENS in a talk at Kirkcaldy, Fife, recently. Mr. Stevens was addressing a joint meeting of the Edinburgh and South-eastern Scottish and the Dundee and Eastern Scottish Branch of the Pharmaceutical Society on "Leading Cases in Forensic Pharmacy." He referred to the relatively small amount of attention devoted to pharmaceutical case-law in Great Britain and compared that with the position on the continent. In France students had recourse to Poplowski's *Traite de Droit Pharmaceutique* and in Spain to *Legislacion Farmaceutica Vigente en Espana*. He explained the principles of decisions of foremost English cases and said that all the cases cited could apply also in Scotland, where differences in pharmacy law were principally procedural. The origin of the "Jenkin" case was dealt with and it was also shown how the outcome of that case tied up with the Society's new charter. Other cases were quoted as showing genuine intention on the part of the Society to overcome the defence (real or otherwise) frequently put forward by those prosecuted that they were ignorant of the law. Mr. C. G. DRUMMOND stated that, in England, prosecutions for offences under pharmacy law were instigated by the Society, whilst in Scotland such prosecutions came under the jurisdiction of the procurator fiscal. Which was the better system? Replying, Mr. Stevens said that he considered the English system the better since it protected the pharmacist—the service was more personal. Had some of the leading English cases come before Scottish courts they would have been thrown out, since prosecution only took place when the fiscal felt sure of a conviction. Mr. Drummond asked if the taking of a Hippocratic oath would be of any service in applying the "code of ethics"? Mr. STEVENS said that if an oath were taken there could be no possible evasion of the code. Mr. C. W. MACFARLANE said that the speaker had treated the Statutory Committee somewhat lightly. The Committee tended to find in favour of the person concerned. Mr. STEVENS said he did not regard the Statutory Committee or their work lightly. He had attempted to bring out the vagueness in defining the composition of the Committee, which needed to have only one pharmacist member. The composition of the Committee should be overhauled.

PHOTOGRAPHIC DEALERS AT DINNER

Council "delighted" with public relations work

THE annual dinner and dance of the Photographic Dealers' Association took place in London on October 19. THE PRESIDENT (Mr. Edgar Butterwick, Hull) was in the chair, and the guests included officers of the Royal Photographic Society, British Photographic Manufacturers' Association, Kinematograph Manufacturers' Association, Institute of British Photographers, Wholesale Photo Finishers' Association, Scientific Instrument Manufacturers' Association and the chairman of the National Pharmaceutical Union (Mr. Allen Aldington, A.R.P.S., immediate past-president of the P.D.A.).

The chief guest was Mr. H. S. Carpenter (chairman, Kodak, Ltd.) who responded to the toast "Photography and Our Guests," proposed by the P.D.A. president. In proposing it, Mr. BUTTERWICK mentioned that a loyal telegram had been sent to and acknowledged by the Queen, and that a telegram of good wishes had been received from a founder member of the Association: Mr. Alfred Oglesby (president, 1921-22 and 1929). Trade in photography, he said, was ever on the upward trend. The value of photography was being more and more recognised by industry, the medical profession and the public. In view of the growing interest the Association had considered how it could encourage more camera users and had



CUP-WINNER: Mr. G. H. Wright, M.P.S., A.R.P.S., receives the challenge cup from Mrs. Butterwick.

engaged a public-relations officer. The council was delighted with the results of the appointment. He hoped the manufacturers would join with the Association in increasing such activities.

MR. CARPENTER said in his reply that he had been attending P.D.A. functions for over a quarter of a century. He congratulated the P.D.A. on its campaign to lengthen the photographic season. The Association's training schemes were ensuring better service to the public every year.

For some, the high spot of the

BRITISH CHEMICAL MANUFACTURERS

Association's annual dinner and meetings

A RECORD attendance at the annual dinner of the Association of British Chemical Manufacturers in London on October 10 marked the last appearance at such a function, as director and secretary, of Mr. J. Davidson Pratt, C.B.E.

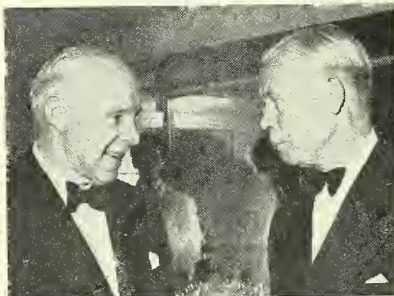
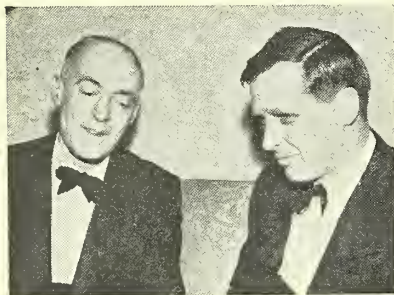
Mr. G. F. Williams (chairman of the Association) presided, and the Association's many guests included, in addition to the guest of honour, Sir Cyril Hinshelwood (president of the Royal Society) Sir James Crombie, K.B.E., C.M.G. (secretary, H.M. Customs and Excise); Sir Charles Dodds, M.V.O., F.R.S. (chairman, preservatives subcommittee, Ministry of Agriculture, Fisheries and Food); Sir Graham Hayman (president, Federation of British Industries); Lieutenant-General Sir Thomas Hutton, K.C.I.E., C.B., M.C. (director-general, British Productivity Council); Sir Harry Jephcott (chairman of advisory council, Department of Scientific and Industrial Research); Sir Frank Lee, K.B.E., C.M.G. (permanent secretary, Board of Trade); Sir Cyril Musgrave, K.C.B. (permanent secretary, Ministry of Supply); Mr. L. H. Robinson, C.B. (second secretary, Board of Trade); Sir William Slater,

expanding one touching the lives of everyone at more points than anyone outside the industry could realise. So varied were its products and activities that he doubted whether anyone within the industry knew in detail the full extent to which the national economy was dependent upon it. For many years the Association had devoted much time and thought to the question of safety in the chemical industry and could claim, and show by statistics, that, despite the large number of potentially hazardous chemicals made and handled, and the numerous processes, involving high temperatures and pressures, the industry compared favourably with any other in its freedom from accidents and occupational disease. Most of the accidents that occurred had nothing to do with the intrinsic hazards of the industry but were caused by the ordinary mishaps that occurred anywhere, "such as dropping bricks and falling off ladders." Mr. Williams paid special tribute to Mr. Damon, who had lately retired

from the post of chief alkali inspector: Mr. Damon and his colleagues had administered the Alkali Act with great consideration and sympathy for the chemical manufacturer.

The industry was based upon the rapidly developing science of chemistry. Research work was proceeding apace in the universities, in the technical colleges, and within the industry. Rapid publication of the new knowledge thus acquired was vital to the industry's progress. The heavy financial burden that lay on the publishing societies was appreciated, and the Association had come substantially to their support.

The chairman then, after mentioning that Mr. W. A. Williams (who operates the Pest Control Association) was recovering from the serious illness he had had, made special reference to the final

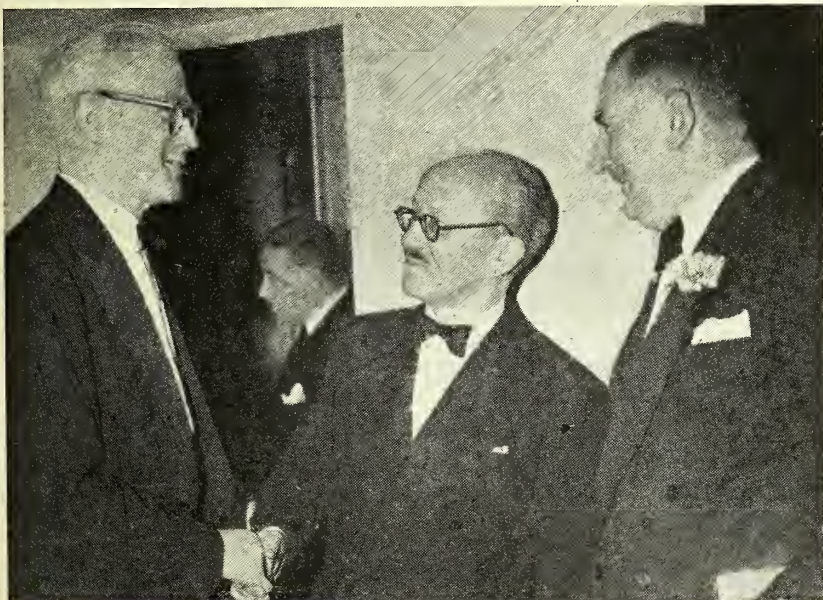


K.B.E. (secretary, Agricultural Research Council); Sir Owen Wansbrough-Jones, K.B.E., C.B. (chief scientist, Ministry of Supply); Mr. C. F. V. Blagden (chairman, British Chemical and Dye-stuff Traders' Association, Ltd.); Mr. J. S. Carter, O.B.E. (chief alkali inspector) and his predecessor in office, Mr. W. A. Damon, C.B.E.; Dr. Don Francke (immediate past-president, American Pharmaceutical Association); Dr. W. G. Hiscock (chairman, Association of Chemical and Allied Employers); Dr. E. R. A. Merewether, C.B., C.B.E. (senior medical inspector of factories, Ministry of Labour and National Service); Sir William Palmer, K.B.E., C.B. (chairman, Dyestuffs Advisory Committee); Dr. B. A. Southgate, C.B.E. (director, water pollution research laboratory, Department of Scientific and Industrial Research); and Dr. Norman C. Wright, C.B. (chief scientific adviser (food), Ministry of Agriculture, Fisheries and Food).

The sole toast was "The Guests," proposed by the chairman. Mr. G. F. WILLIAMS spoke of the Association's pride in entertaining friends from the Government, the learned societies, kindred associations and the Press. The chemical industry was a great and

DINERS ALL: At left, Sir Cyril Hinshelwood, P.R.S. (guest of honour) and Mr. J. R. Ruck Keene, M.B.E. (secretary, Chemical Society). Centre, above, Sir Roger Duncalf (a vice-president of the Association) and Sir Graham Hayman (president, Federation of British Industries). Top right, Messrs. E. W. Greensmith (chairman, A.B.C.M. chemical engineering research and advisory service committee) and W. K. Hall, O.B.E. (chairman, A.B.C.M. York regional area productivity and fuel efficiency committee). Centre, right, Alderman Kenneth Wilson, O.B.E., J.P. (an honorary vice-president of the Association) with Dr. F. H. Carr, C.B.E. (a vice-president) and Sir Harry Jephcott (chairman, advisory council, D.S.I.R.). Bottom right, Sir Owen Wansbrough-Jones, K.B.E., C.B. (chief scientist, Ministry of Supply), Mr. A. E. Childs, C.B.E. (Ministry of Supply) and Sir Cyril Musgrave, K.C.B. (Ministry of Supply).



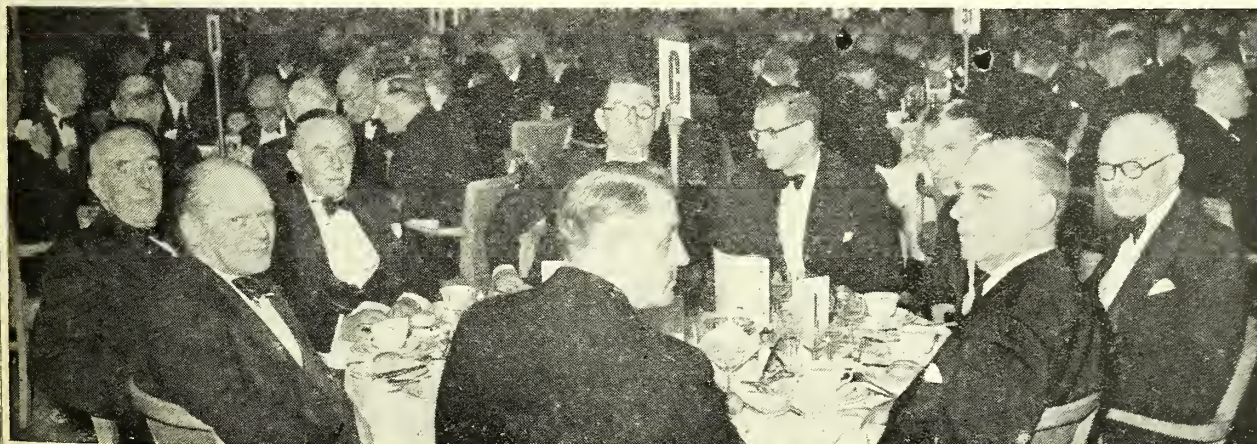


Above, DINERS AT TABLE. At right, centre, is the guest of honour (Sir Cyril Hinshelwood, P.R.S.). At his left is the A.B.C.M. chairman (Mr. G. F. Williams). Picture at left, RECEPTION: Mr. F. W. Adams (registrar of the Pharmaceutical Society) is welcomed by the chairman (Mr. Williams) and director (Mr. J. Davidson Pratt). At foot of page: DINERS AT TABLE C.

appearance as director at an Association dinner of "Jim" Davidson Pratt, who could, he pointed out, have retired under the Association's pension scheme at age sixty-five, but had been persuaded to carry on for another year. They hoped to retain his services in a part-time advisory capacity.

In his response SIR CYRIL HINSHELWOOD said he could not help feeling that the whirligig of time had played one interesting trick in bringing him there that night in the honoured position of principal guest beside the managing director of The British Drug Houses, Ltd., for it was with B.D.H. that he had spent two vacations as a student in the early days of B.D.H.'s present glory.

The fact that he was there representing the Royal Society, went on Sir



Cyril, symbolised the relations between pure science and the chemical industry. In the present state of Britain, "which is very critical in some ways," the widest and most philosophical consideration would have to be given to how to get out of the country's difficulties. All real big advances were unpredictable. That being so, a good deal of their work must be made to depend on pure science. Financial and economic considerations, however important in their place, were important as controls and had not the creative force. On the other hand, science was by no means enough. "I would describe as admirable the amount of understanding of broad aspects that the chemical industry displays, and has so long displayed, in its relation with the academic institutions, the learned societies and with pure science within its own organisation." Perhaps the industry might well give some thought to the question of the education of the people it recruited. He would like the industry to express a view on the way the education should be carried out. He was not happy about the present trend in this country of the relation of the arts and the sciences in education. They did not seem to be getting any closer together. Young people were being segregated by headmasters and others into those destined for administration, who must be reared on the arts, and those who were going to be back-room boys, and must be reared on the sciences. That was absolutely wrong, and he hoped that, if the industry agreed, it would say so with no small emphasis. "I believe that you should begin to learn science young; otherwise you find the fundamental ideas very difficult to grasp. It should not be confined to specialists, because people should be brought up with an understanding of the other side."

Sir Cyril concluded by making three wishes for the Association. One was that in ten years' time they were still the A.B.C.M. and not the National Chemical Board. The second was that the industry's relations with the pure sciences would continue on their present excellent basis. "The third wish is that your research departments will all flourish in such a way as to give you all the new processes and advances that you need."

Annual Meeting

In his address at the annual meeting of the Association, held on October 11, THE CHAIRMAN (Mr. G. F. Williams) mentioned that the new Regional Organisation, which had been explained in some detail by the chairman at the 1955 annual meeting, had come into active being at the beginning of 1956. Each of the six regions had held at least two meetings, and the attendances and interest shown promised well for the scheme's success. The area productivity committees had also been operating successfully in parallel but, to facilitate the ultimate amalgamation of the two organisations, members and contacts for the regions had been invited to the discussions or meetings of the productivity groups and *vice versa*. In the New Year the Council would be considering how the amalgamation could best be effected.

The supervisory committee of the proposed chemical engineering research and advisory service was also now functioning, under the chairmanship of Mr. E. W. Greensmith, and was co-operating with a similar committee set up by the British Chemical Plant Manufacturers' Association. Mr. Trefor Davies was technical executive officer for the committee and for the advisory service scheme.

Export Activities

The export committee of the Association had been formally constituted, and would commence work forthwith under Mr. Cullinan (Shell Chemical Co., Ltd.) as chairman. It would be necessary for the Association, through its new export committee, to make a special study of exhibitions and fairs overseas.

The industry could be proud of its part in the country's export drive. In 1955 chemicals came third highest among manufacturing industries. In the dollar markets, in the face of powerful American competition, it had exported chemicals to the value of £22 millions in 1955 (7 per cent. of all dollar exports of manufactured goods); this year, to date, there was an increase of nearly 15 per cent. However, a recent Board of Trade report showed that, between 1951 and 1955, the United Kingdom's share of the world's trade in chemicals dropped from 17.3 to 16.7 per cent., while the German share increased from 13.5 to 17.4 per cent. The overall export picture was worse. From 1950 to 1955 the U.K. share dropped from 25.5 to 19.8 per cent., while the German share rose from 7.3 to 15.6 per cent. Price restraint by itself would not solve the problems with which the country was faced. The breathing space it gave must be used to bring down costs.

The instrumentation appreciation conference, held in April, could be regarded as a success, but it had been disappointing that the Conference had failed to attract members of senior management, for whom it was primarily intended. In that respect it fell far short of the work study conference at Buxton in 1953. The instrumentation advisory committee was willing to prepare complete plans, with estimates of cost, and with an economic statement indicating the likely financial benefits; it would supervise the execution of the job, and the only proviso was that, when the work had been done and the economic benefits ascertained in practice, the permission would be given to publicise the information as a case history.

Since its formation in 1916, the Association had kept itself aloof from questions relating to prices and members' commercial arrangements. Nevertheless, the Council endorsed the appeal by the Federation of British Industries for a policy of price restraint, and urged members to avoid increases.

Officers for the Year

Results of the elections at the annual meeting were as follows:—*Chairman*: Mr. G. F. Williams (The British Drug Houses, Ltd.); *Vice-chairman*: Mr. B. Hickson (Hickson & Welch, Ltd.); *Treasurer*: Mr. J. L. Harvey, M.B.E.

(Fullers' Earth Union, Ltd.). *Elected members of Council*: Messrs. D. J. Bird (Fisons, Ltd.); I. V. L. Fergusson (Evans Medical Supplies, Ltd.); E. M. Fraser, C.B.E. (Imperial Chemical Industries, Ltd.); Dr. W. H. Garrett, M.B.E. (Monsanto Chemicals, Ltd.); Messrs. J. C. Hanbury (Allen & Hanburys, Ltd.) and E. Le Q. Herbert (Shell Chemical Co., Ltd.); Dr. W. G. Hiscock (Imperial Smelting Corporation, Ltd.); Messrs. L. G. Matthews (Burroughs, Wellcome & Co.); F. G. Pentecost (A. Boake, Roberts & Co., Ltd.); F. S. Poole (Peter Spence & Sons, Ltd.); H. V. Potter (Bakelite, Ltd.); W. D. Scott (Imperial Chemical Industries, Ltd.); and E. Stein (The Distillers Co., Ltd.).

Correspondence

What Advertisements Should State

SIR,—Will chemists please ask all manufacturers and advertisers of medical products to state the retail prices and "obtainable from all chemists" in all their advertisements.

Bolton

F. W. ROBINSON

Near Breaking Point

SIR,—The chief inspector of the Pharmaceutical Society is to be commended for reminding proprietor pharmacists of the sections 8 and 9 of the 1933 Act (C. & D., October 13, p. 418). However, it is a sorry state of affairs that up and down the country there must be numerous proprietor pharmacists in the smaller type of business who year after year cannot have a vacation from their exacting and responsible duties because they cannot obtain the services of a locum, either because they just cannot obtain one or because they cannot afford to pay the high remuneration demanded. Sooner or later these men must arrive at breaking point, and long before that their service to the public will have been impaired.

Stourbridge ALFRED C. YEATES

An "A" not an "O"

SIR,—In your trade notes last week, under the above heading, you publish a correction of a mis-spelling of a trade name. You quote from a letter you had received, and the writer of that letter had gone to some pains to explain that a name ending in "ol" would probably indicate an alcohol, but not a barbiturate. The supposition is incorrect. An "ol" suffix could easily suggest an oil. One cannot be guided entirely by the ending of a trade name, otherwise the name glycerine might suggest an alkaloid. The commonly known suffix of barbiturates is "one," and it is fairly certain that the thousands of names of other types of medical products having that suffix—such as the ketones or steroid hormones—could not be mistaken for barbiturates. Conversely, not all names ending in "al" suggest the barbiturates, otherwise a well advertised razor-blade might be thought, by the pedantic "terminologist" to possess hypnotic properties—which, of course, in the extreme, long-acting category, it could.

London, W.2

W. JONES

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND: Annual meeting

AT the annual meeting of the Pharmaceutical Society of Northern Ireland, held in Belfast recently, Mr. H. W. GAMBLE, O.B.E., who presided, reported that the ballot for the Council elections had produced a record poll. There had been eighteen candidates for the ten seats—four members retiring by rotation and six new seats as provided for in the Pharmacy and Poisons Act (Northern Ireland), 1955. Of 1,142 members sent voting papers, 740 exercised their votes, twenty-four of which were declared invalid by the scrutineers. The following were announced elected:—

Henry Francis MOORE, 544.	Hugh Gray CAMPBELL, 490.
John CALDWELL, 525.	William S. HALL, 479.
Sydney Ernest CAMPBELL, 525.	Alexander TEMPLETON, 461.
Robert GIBSON, 510.	Joshua KERR, 351.
Charles E. MOSS, 496.	William J. THORNTON, 340.

The unsuccessful candidates were Messrs. Henry J. Cousley, 332; James A. Brown, 259; Edward Gerard Mackle, 247; Gerard M. MacManus, 225; Francis J. Sweeney, 202; James E. Dcehan, 198; Bernard J. Deeny, 150. The eighteenth candidate (Mr. Malachy C. Mooney) had withdrawn his nomination. Mr. James Irwin (treasurer) was returned unopposed as the registered-druggist representative on the Council.

MR. GAMBLE, who occupied the chair in the early stages of the meeting as the president (Mr. S. E. Campbell) was a candidate for re-election, congratulated the successful candidates, and said it was a healthy sign to see so many members taking part in the election. He urged unsuccessful candidates not to be discouraged by the result, and suggested they should come forward again.

President Reviews Year's Changes

On resuming the chair, MR. CAMPBELL thanked the scrutineers (Messrs. Gamble and W. H. Boyd) and their assistants (Messrs. J. Irwin and C. A. Quinn) for the excellent manner in which they had carried out their task. Referring to changes that had taken place during the year, Mr. Campbell said the first was the resignation from the vice-presidency and Council of Mr. H. P. Crossin for health and business reasons. That move, he said, had been felt keenly by the Council, who had been guided on many occasions by Mr. Crossin's wise counsel. Mr. Moss had taken his place, and since his co-option had proved to be a valuable member. The Council had suffered a heavy blow through the death of Professor Small—"a very old member and a very staunch friend." In addition to his Council work he had also acted as an examiner. The Council had been pleased to welcome Dr. R. G. R. Bacon as Professor Small's successor.

The president said they were also pleased to welcome back to their midst Mr. Fred Storey, C.B.E., who was recovering from a recent accident. He referred to the deaths of Messrs. James Guthrie, William George McCreight, Hugh Orr, John Simpson, James Stewart, William Guthrie Taylor and James White.

Research Grant For Pharmacist

Mr. Campbell extended the congratulations of the Society to Mr. P. J. Campbell, B.Sc., a Bangor pharmacist, who had been awarded a grant by the Medical Research Council and was now carrying out work at the Royal Victoria Hospital, Belfast. "We are very proud of Mr. Campbell and the honour he has brought to our Society," he added. The Council had agreed to make available a sum not exceeding £100 a year for a post-graduate research course, which had been named the Theophilus Harper Foundation "in memory of one who, in his lifetime, contributed so much to pharmacy." A good deal of the Council work, the presi-

dent went on, had been devoted to the Pharmacy and Poisons Act, which had been passed by Parliament during the year.

Dealing with education, he said that, for a considerable number of years, apprentices had totalled around the eighty mark, "a number which was in excess of our requirements." The new regulations made considerable changes in education, and in addition the standard of entry would be raised from October 1, 1957. The new system had reduced the number of students entering pharmacy and, in the full-time course which commenced in September, twenty-five candidates had enrolled for Part I. "This, I feel sure," said the president, "will be an adequate number, and will enable us to maintain the register at its present strength." The number of pharmaceutical chemists on the register in 1955 was 1,103, against 1,074 in the previous year. The number of chemist shops had increased from 637 in 1953 to 684 in 1954 and 702 in 1955.

It was a matter of concern that, of eighty-five candidates who sat in June for Part II examination, among whom at least forty were sitting for the second time, only twenty-six were able to satisfy the board of examiners. On the other hand it was gratifying to find some students with very high marks—including Mr. Patrick O'Neill, who had gained the Society's gold medal. It was also pleasing to note that the improvements in Part I had been maintained. Within the previous two months the Council had decided to hold evening meetings instead of afternoon gatherings, and he felt that that would encourage more members to come forward for election to the Council.

Treasurer's Report

Presenting his annual report, THE TREASURER (Mr. James Irwin) said there was an adverse balance of £132. The report was adopted on the motion of Mr. Irwin, seconded by MR. G. E. McILHAGGER.

MR. W. J. RANKIN said that, in view of the increased subscriptions, bringing in an extra £1,000 in 1957, he wondered if it would be possible to send a copy of the register to every member. Replying, THE SECRETARY (Mr. William Gorman) said in 1956 there had been a £132 deficit and further redecoration of the Society's House would shortly be taking place. Registration fees would be smaller in 1957, and there would also be a drop in certificate fees. Examination fees would also show a considerable decrease. In another three or four years, when the number of apprentices became static around the thirty mark, that would affect examination fees, registration fees, etc. Nevertheless the suggestion was one which the Finance Committee might consider. MR. T. McCURE asked if it would not be better for the Society to produce a new calendar. The last one was issued in 1936, and it would be most informative in that all the new legislation could be included. MR. GORMAN said that that was a matter which he thought the Council would be considering.

Asked by MR. D. MOORE if the Council had considered introducing post-graduate courses in the fitting of elastic hosiery, MR. GORMAN said it had not been possible to do that during the year but the Council had not lost sight of Mr. Moore's suggestion. There was a possibility that a course would be introduced later this year or early in 1957. MR. A. TEMPLETON asked if the Council had arranged any talks or discussions for the coming season, and MR. GORMAN replied that there would be a lecture on cortisone and it was hoped to have a lecture on radioisotopes later in the season.

A vote of thanks to the president was moved by MR. J. N. PATTERSON and seconded by MR. A. W. KERNAHAN.

PHARMACEUTICAL SOCIETY OF IRELAND

Monthly meeting of Council

MR. P. F. McGrath (president) was in the chair at the monthly meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on October 9. Other members of Council present were Messrs. M. Power (vice-president), H. P. Corrigan (treasurer), J. Gleeson, G. O'Neill, T. B. O'Sullivan, V. McIlwee, P. Fullam, M. L. Cashman, C. J. Cremen, F. Loughman, M. Costello, D. J. Kennelly, A. A. Toher, J. P. Kissane, and Miss L. Cuniffe. Mr. James G. Coleman, B.L. (registrar) was in attendance.

New Members Welcomed

THE PRESIDENT said it was his pleasant duty to extend a welcome to their two newcomers. From what they had seen of Miss Cuniffe and Alderman Louis Cashman at the committee meetings that morning they were happy that the Council had got two good new members. Miss Cuniffe had a wide experience of pharmaceutical affairs in the West of Ireland, and Alderman Cashman had already outside the Council given valuable service to pharmacy as a member of the Dublin Corporation. He sympathised with the two members of the Council who had not been re-elected. Through circumstances beyond their control they had not been able recently to attend Council meetings, but in the past they had given good service. MISS CUNIFFE and ALDERMAN CASHMAN thanked the President for his words of welcome.

A letter from Mrs. O'Regan stated that Mr. John J. O'Regan, Cork, was unable to attend owing to illness, and Mr. P. A. Brady, who was attending a meeting of the Health Committee of Dublin Corporation that day, was excused attendance at Council.

Arising out of the minutes of the September meeting, THE PRESIDENT said that Mr. McIlwee had succeeded in getting the local authorities in county Donegal to have maternity packs supplied through the pharmacists in the county: Mr. McIlwee was to be complimented on the good job of work he had done for the Donegal pharmacists.

Officers for 1957-58

The Council then proceeded to the election of honorary officers for the year. MR. M. POWER, proposing the re-election of Mr. McGrath as *President*, said he was fortunate in offering to them the name of a man who was so well known to all of them and to their members throughout the country. During the past twelve months Mr. McGrath had presided over their Council meetings with outstanding success, and in addition had attended many meetings all over the country. On several occasions he (Mr. Power) had had the pleasure of accompanying the president to those meetings, and the president's frank and free discussion with the officers of the local associations was admired by everybody. Apart from those meetings the president had attended many social functions, which involved the laborious task of travelling long journeys and many late nights, but he did not spare himself. Mr. McGrath had given deep and serious thought to his work as their representative on the National Health Council, where he had constantly watched over their interests. His crowning achievement, however, was the magnificent work he had done as chairman of the Local Committee for the recent British Pharmaceutical Conference. As a result of that work he would say that Frank McGrath was one of the best known men in the pharmaceutical world of Western Europe today and, with several big problems ahead, would be the ideal choice for the coming year. The new Pharmacy Bill was a major problem on which there was likely to be further discussions, and it was there, he felt, that Mr. McGrath would be of specially great help. Another—and thorny—problem facing them was the new Veterinary Bill, the implications of which could be serious for country chemists. They were going to have an

uphill fight to get what they wished for in that Bill, and there again Mr. McGrath could be of invaluable assistance as their president. He was sure they would all join with him in offering their fullest co-operation to the president in his second year of office.

MR. MICHAEL COSTELLO said that, as the Council member who had proposed Mr. McGrath for the presidency in 1955 he was proud and glad to second Mr. Power's motion. During his own two years in the chair Mr. McGrath, as vice-president, had been a guiding light to him. They all knew by now the worth of Frank McGrath in the chair, and recognised the sincerity and high capability with which he tackled every problem that faced them. Above all they were intensely proud of his success as their president during the Conference meeting. The visitors to Dublin had been immensely pleased with him. Recently, said Mr. Costello, he had been trying to estimate how many meetings the president had attended during the year, but had had to give it up when he reached 110. At times the president had attended as many as five or six meetings in a week. It was the wish of everybody, he was sure, that Mr. McGrath should be re-elected.

Mr. McGrath's re-election was carried with unanimous applause. Returning thanks THE PRESIDENT said that the co-operation he had received from all the members of the Council had made his task as easy as it was possible to be. He would have to travel far to get a finer team of workers. That they could see each other's points of view without acrimony or sharp divisions was a grand thing. The Council's work was carried on in a friendly spirit which he hoped would continue for many years to come. He appreciated deeply the high honour they had accorded him in electing him to another year of office.

Moving the re-election of Mr. Power as *Vice-president*, THE PRESIDENT said that, though Mr. Power lived a long distance from Dublin, he had constantly undertaken the journey to attend meetings, and throughout the year had been a great help to him. On numerous occasions Mr. Power had taken on some of his duties and had served as vice-president with great credit to himself and the Society. MR. C. J. CREMEN, seconding, said it was most necessary that the council should have the outlook of the pharmacists in the provinces, and it was there, particularly, that Mr. Power had given valuable service. His advice as vice-president would be especially useful in the coming year.

MR. POWER, who was unanimously re-elected, returned thanks. He said that the burden of the work during the year had been undertaken by the president, since he himself lived "down the country." During the coming year he would do his best to justify the confidence placed in him in re-electing him as vice-president.

MR. JAMES GLEESON, proposing Mr. Corrigan's re-election as *Treasurer*, said that for four years their treasurer had presented them with surpluses. In 1955-56, through no fault of Mr. Corrigan's, the heavy expenses had caused a deficit.

MR. G. O'NEILL, seconding, said he supposed the reason their treasurer spoke so little was because he felt that money talked, and his figures spoke for themselves. In his period of office Mr. Corrigan had handled more money than any previous treasurer of the Society. MR. CORRIGAN, who was then unanimously re-elected, briefly replied.

Messrs. J. J. Griffin & Co. were re-elected *Auditors*. The House, Schools, Law, Certificates and Declarations Committees were then appointed.

Mrs. Mary Lucey (née McCarthy), L.P.S.I., who submitted a marriage certificate, was granted change of name in the register. Dr. M. S. O'Maille, Galway, who submitted an L.A.H. certificate was granted registration as a pharmaceutical chemist.

A letter was read from the family of the late Mr. T. C. Scott thanking the Council for their kind expression of sympathy, and for the beautiful floral tribute sent.

The reports of the House, Schools, Law, and Certificates and Declarations Committees were submitted and approved.

Educational Policy

Speaking on the question of the Society's educational schemes, MR. P. FULLAM said he was concerned as to whether they went far enough. He was still more concerned over the Society's moral obligations to students and their parents. He was wondering how, after spending five years in the College, some students would react to going out and finding themselves reduced to selling cosmetics and one thing or another to make a livelihood. He felt that their students should be educated along the broad principles laid down by Newman. It had been mentioned that the science sessions at the recent Conference had to some degree pinpointed their shortcomings. In considering the question of parity of their qualification with a university degree, they might perhaps think of the feasibility of students taking a B.Sc. degree, plus one year of practical pharmacy. That was one way in which a student would have somewhere else to go to as well as pharmacy. More thought should be given to what happened to their students after they left the College.

THE PRESIDENT said that some of the questions raised by Mr. Fullam had been brought up before, and would be considered again. A meeting of the educational staff would be held that week, and their report would come up at the next Council meeting.

Post-graduate Courses

MR. D. J. KENNELLY, as the Council representative on the post-graduate courses subcommittee, gave the Council a full outline of the course of lectures proposed to be given during the coming Session. It was suggested that the lectures should deal with drugs, particularly those with which pharmacists were coming into contact every day. They would include drugs used for the treatment of diseases of the cardio-vascular system; drugs used in psychiatry, including the so-called tranquillisers and the barbiturates; drugs used in the respiratory and endocrine systems; and drugs used as anaesthetics. In addition, it was proposed to have lectures by Dr. Timoney on aseptic technique and sterilisation, some lectures on the antibiotics, and one lecture on radioactive isotopes, since they would now appear in the next British Pharmacopoeia, and Ireland was "number one country" in the use of radioactive isotopes. The Committee wished him to report to the Council and to have their views on that suggested list of subjects. Mr. Kennelly went on to appeal to the 160 to 170 who had attended the post-graduate course in 1955 to come again this year and make the course an equally big success. The course on physiology would be repeated for the benefit of those who had not been able to attend in 1956.

MR. A. A. TOHER said it was both encouraging and exciting to know that such active work was going on. The Council was lucky to have such a vigorous and progressive committee working on the project. Knowing that there was going to be a good demand for the courses, they could now plan on a more enduring basis, and approach it from the idea of the underlying sciences. Before they could obtain a mastery of those drugs they must have a knowledge of the three inter-linked sciences of physiology, pharmacology and bacteriology.

THE PRESIDENT said the programme outlined by Mr. Kennelly was well worth while. They had an active Committee, which was doing a fine job of work. He would appeal especially to all city members to support the Committee by attending the lectures.

THE REGISTRAR reported that one candidate had entered for the Registered Druggist examination, thirty-one for Part I, and fifty-six for Part II of the Licence examination.

Congratulations

THE PRESIDENT reported many letters received from all parts of Britain and from the North congratulating them on the success of the Conference in Dublin. Only a proportion of them could be brought before the meeting because their number was so great. The Taoiseach (Mr. John A. Costello) had written: "Very many thanks for your kind letter of the 14th inst. and for the copy of THE CHEMIST AND DRUGGIST enclosed therewith. It is good to know that the Conference was such a success—a success that was due in great measure to the efforts of yourself and your colleagues of the Council of the Pharmaceutical Society of Ireland." Professor Kenneth Bullock (chairman of the 1956 Conference) in the course of his letter wrote: "You undertook a formidable task and you achieved a brilliant success. I have heard nothing but praise of the Conference, and by now I have heard from many people with very varied interests, and they one and all give me to understand that the Dublin Conference was an outstanding success. I hope, and I really have no doubt, that the praise and expressions of thanks which you are so deservedly receiving will reward you for the hard work of the year—or more than a year—which you so willingly undertook. Will you please accept my most sincere thanks." Mr. William Gorman (secretary of the Pharmaceutical Society of Northern Ireland), writing to the secretary of the Local Conference Committee, said he did so on behalf of his Council to express "our appreciation of the splendid arrangements made for the visitors during the Conference week. All of our members who were present spoke in most appreciative terms of the help and courtesy extended to them at all times. We would like you to know that the vast amount of work carried out on behalf of the visitors was so much appreciated by them."

Vice-president's Hamburg Visit

At the request of THE PRESIDENT, MR. COSTELLO gave a detailed report on his recent visit to Hamburg to attend a Conference of the *Fédération Internationale Pharmaceutique* as the Society's representative. He had prepared and presented a full report on the fight the Society had put up in the courts in Dublin to uphold the professional status of pharmacy. His presentation of the Irish case took over two hours, and at the close he received compliments from all sides. He was asked to convey the best thanks of the president and Council of F.I.P. on the fight they had put up.

MR. LOUGHMAN said it was an excellent thing to have Ireland represented at an international conference of such repute, but it was wrong that the man who represented them there should have to bear any expense in connection with his attendance there. THE PRESIDENT said Mr. Costello was to be complimented on what he had done for them at Hamburg, and the time and work he had put into presenting the Irish case. If other countries defrayed part of the cost of delegates attending such Conferences they could at least try to see what could be done in Ireland.

When MR. CASHMAN asked if anything was being done by F.I.P. to standardise pharmaceutical education, MR. COSTELLO said "Not with regard to education, but in standardisation of a code of ethics, particularly in relation to advertising."

Animal Remedies

The Council then held a full discussion on the provisions of the Animal Remedies Bill, 1956, as circulated. In the discussion the views of country pharmacists were given by MESSRS. POWER, KISSANE, LOUGHMAN and TOHER. In view of the serious implications of the measure for pharmacists—especially those in the provinces—it was agreed, on the suggestion of THE PRESIDENT, that a special meeting of provincial Council members with the president should be held on October 18 to consider the Bill and make representations to the Minister concerned.

(To be concluded)

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"Pharmaceutical Tourists"

SIR Hugh Linstead, in his presidential address to the council of the International Pharmaceutical Federation (*C. & D.*, October 13, p. 403) expressed concern lest the general assemblies of the Federation should be swamped with "pharmaceutical tourists." It is of course proper that the Federation should ensure that its limited resources are deployed to the best purpose, but the reference is perhaps a little unjust to those who attend, many of whom have to do so as part of their annual vacation. In our experience the meetings of the various sections are well supported, and the discussions treated with appropriate seriousness. If a census were to show, as it admittedly would, that there were truants from some of the scientific, professional or other meetings, that is a far cry from supposing that there were members of the assembly who were putting in no appearance at all, or were acting frivolously at those at which they were present.

Perhaps Sir Hugh's words were chosen without his customary judiciousness, and the problem to which he was really directing attention was the one of providing accommodation for numbers that seem to increase with each conference. He may have had in mind that it would be hard (apart from the invidiousness of trying) to distinguish in advance those pharmacists who would be making a constructive contribution from those who would be mere onlookers.

The problem of accommodation is certainly a very real one and it is one that confronts equally the organisers of the British Pharmaceutical Conference. At Dublin in September the number who registered for the whole week or for some of the events was of the order of a thousand. At the point at which there was no option but to close the lists, applications were still coming in. It is not known how many would-be Conference members were disappointed, but it is not safe to assume that the late applicants were necessarily the least interested or enthusiastic. Some may have been handicapped from inability to find deputies to carry on their pharmaceutical duties during their absence or from some equally legitimate cause.

The difficulty is one that may never perhaps be solved except arbitrarily, as by closing the list when bookings correspond to the available accommodation. But that does leave for decision an important matter of policy. Either an optimal figure must be decided upon, and the Conference meeting held at a town or city able to house that number, or the opportunity to act as host

to the Conference may be given to as many local branches of the Society as possible, and the bookings more severely limited for the smaller centres than the larger. There is a good deal to be said for the latter method, for not only does it capitalise local enthusiasm (one volunteer being worth ten pressed men) but there can be no doubt that it acts as a great stimulus to the local pharmaceutical organisations concerned with it, and that the effect is felt for years afterwards. Whether those benefits would be offset by the larger Conferences at fewer centres is a matter for debate, but it would appear that the idea of the giant meeting is in the ascendant at present.

In its ninety-three years' existence the Conference has visited thirty-eight towns. Of those, twenty-seven are substantially smaller than Dublin in population. If population may be taken as a rough guide to accommodation then about three-quarters of the towns in which Conference meetings have been held in the past could not have organised a gathering of the size of this year's meeting. Fortunately, that is not a complete criterion, since many holiday resorts are capable of absorbing and handling large numbers although their permanent population may be relatively small.

Two pointers make us think that the 1,000-member meeting is to be regarded as the ideal for future meetings of the British Pharmaceutical Conference. One is the decision—taken before Dublin—to provide a substantial nucleus by subsidising representatives of branches to attend for the whole week. The other is that the wish of Sheffield Branch to act as hosts to the Conference in 1958 seems not to have been accepted. Sheffield's population is on a par with Dublin's, and earlier this year the City housed members of the British Association at their annual meetings. Presumably, however, though the City has university hostel accommodation it has not so many first-class hotels as has the Irish capital. For on what other grounds could there be reluctance to clinch with an offer which Sheffield is known to have put forward with keenness and enthusiasm?

It were paradoxical indeed if, at almost the same time as Sir Hugh Linstead was hinting at "tourist" motives among some of those attending international pharmaceutical conferences, the Executive of the British Pharmaceutical Conference should be saying, in effect, "Unless you can guarantee adequate accommodation up to the best tourist standards we go somewhere else."

FIFTY YEARS AGO

GENTLE DEBATERS

From the C. & D., October 20, 1906

A MILLINERY display in the pharmaceutical lecture-theatre is not an innovation, but it is sufficiently unusual to be worth going to see. Not merely a sprinkling of feathers and ribbons in the audience, but serious ladies in neat costumes and with voices almost too gentle to reach the upper benches, facing us on the platform. There was no frivolity in that assembly; but it is only just to the women pharmacists to admit that none of them repelled their guests by looking learned. Not even Miss Buchanan in the chair nor Dr. Sophie Bryant at the lecture-desk. Perhaps the portrait of the last-named lady which illustrated the report seems to tend that way; but a becoming little hat and a perfectly fitting dress dispelled any fear of the ologies. Everything said was thoughtful and thought-inspiring, and it seemed rather a pity that the whole performance was not carried through by members of the Women's Pharmaceutical Association alone. Parenthetically, may it be asked why we do not get reports of these ladies' debates between their annual demonstrations? That for all their gentleness they mean to supplant us ultimately is almost beyond doubt.

Onward from Galen

A CURRENT CAUSERIE

THE caricature here reproduced was published in 1772 by G. Terry, Pater Noster Row, London. Below the title is the couplet:—

*With what sweet Chymic airs he, leads ye City Band
Or deals his penny wares from his important hand.*



The Chymical Macaroni, Capt. Ludgate.

FROM THE PRINT ROOM, BRITISH MUSEUM

The mortar which he holds in his hand is lettered "Cantharides" and the imposing semi-erect extension to the pestle carries the words "Family Medicine Chests neatly fitted." The wall sign in the top right-hand corner bears the inscription "The Old Hog in Armour New Revived."



WILHELM Oswald Alexander Tschirch, who was born at Guben in Prussia, a century ago on October 17, 1856, is famous for his *Handbuch der Pharmakognosie* (3 vols., Leipzig, 1908-12, and ed. 1930). He graduated Ph.D. at Freiburg-im-Breisgau in 1881 and Ph.D. at Berlin in 1884, and in 1890 was appointed professor of pharmacognosy and of pharmaceutical and forensic chemistry in the medical faculty at Berne. Besides the *Handbuch*, his best-known works are *Grundlagen der Pharmakognosie* with F. A. Flückiger (1885, English translation 1887), *Indische Heil- und Nutzpflanzen* (1892), and *Anatomischer Atlas der Pharmakognosie und Nahrungsmittelkunde* with O. Oesterle (1893-1900). On the occasion of his seventieth birthday Tschirch was honoured by pharmacists from all over the world and presented with a

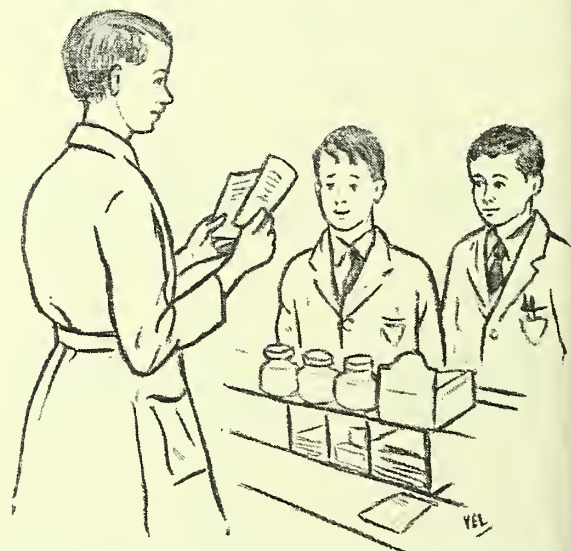
Festschrift (C. & D., 1926. 105. 820; 1927. 106. 38). He died in 1939 at the age of eighty-three.



EVERY manufacturer likes to protect his trade mark, but some are easier to protect than others. In Cologne and throughout the world one of the best known is 4711 for eau de Cologne. It comes nicely off the tongue in English as four seven eleven, a little more ponderously in German (seven and forty eleven). In French? One hopes not *mille sept cents onze*. But that is by the way. The point is that it is a four-figure number with other and unprotected uses such as telephone numbers. In some circumstances enterprising firms have managed to secure to themselves appropriate motor registration marks, but it would be both costly and difficult to secure the telephone number 4711 in every centre with four-figure call numbers. In Siegen in Germany the user of the number 4711 was and is a Mr. Koelsch, and the manufacturers of the perfume took exception to the blatant way in which he sought to gain business by displaying the number prominently on his van. That was not conduct to be regarded as reasonable competition. In fact, not to put too fine a point upon it, it stank. For Mr. Koelsch is an emptier of cesspits, and was obviously cashing-in on the fragrant associations of the trade mark. So the owners of the mark brought an action in the courts to restrain him from doing so. They even sought to have him allotted another number in place of the one that was bringing him publicity if no actual trade. And who won? Well, Mr. Koelsch has been forbidden to use the number for advertising purposes, but allowed to continue in possession of it.



WHAT WE HAVE TO CONTEND WITH



"Most remarkable! Your mother wants potassium permanganate for a gargle and potassium chlorate lozenges to suck and yours wants charcoal for her bulbs and roll sulphur for the dog."



"STAYED alive on hair oil" was the headline of a newspaper story recently about an airman forced down in Northern Australia. The man's hardships were extreme and it is suggested that without the hair oil he would have succumbed. Since he came through and is fit again, one may be quite heartless and speculate what might have happened if he had used a different brand of hair oil, or one with a different perfume. Some we have come across have seemed pretty poisonous.

A History of Pharmacy at Bristol Royal Infirmary: 5

PROMOTION TO GROUP STATUS

BY LAURENCE DOPSON

THE conception of group administration is not new in the hospital world of Bristol. In 1939, nearly a decade before the appointed day, the two voluntary hospitals of Bristol, the Royal Infirmary and the General Hospital (founded at Guinea Street in 1832 because the Infirmary was unable to cope with the numbers of people requiring admission), combined their administration in the interests of economy and efficiency. They are, of course, still separate hospitals situate at opposite ends of the city, but they adopted the name of Bristol Royal Hospital to describe the joint organisation, and the result was that the Infirmary became known as Bristol Royal Hospital, Royal Infirmary Branch, and the General Hospital as Bristol Royal Hospital, General Hospital Branch.

The amalgamation led to the policy of appointing senior officers to the Royal Hospital and not to individual branches. For example, when the Matron of the General Hospital retired in 1939, the Matron of the Infirmary was appointed Matron, Bristol Royal Hospital. In 1946 the House Governors of both branches retired and the present secretary was appointed House Governor, Bristol Royal Hospital. A similar change took place in regard to the chief pharmacist. When Mr. A. L. Taylor, F.P.S., retired in 1946, after forty-seven years as chief pharmacist to the Royal Infirmary, his successor was designated chief pharmacist of the Bristol Royal Hospital.

The new chief pharmacist of the combined hospitals, Mr. G. H. Darling, F.P.S., served his apprenticeship in a small town in Northumberland and studied at Sunderland Technical College, passing the Chemist and Druggist Qualifying examination in 1933. For two years he was student demonstrator in the department of pharmacy at Sunderland Technical College, passing the Pharmaceutical Chemist Qualifying examination in 1935. For a short period thereafter he worked in retail pharmacy before deciding to switch to hospital work. He was chief pharmacist at Newcastle-upon-Tyne General Hospital for ten years before his appointment to Bristol.

The combining of the Royal Infirmary and General Hos-

pital was a foretaste of the greater grouping that took place in 1948, with the National Health Service, the Bristol Royal Hospital becoming the nucleus of what is now the United Bristol Hospitals. Mr. Darling was consequently appointed Group Chief Pharmacist. Since that grading is not recognised by the Ministry of Health, he is also chief pharmacist of the Royal Infirmary Branch. In the Group, Bristol Royal Infirmary, Bristol General Hospital, the Children's Hospital and Bristol Eye Hospital each have their own pharmacy. One of Mr. Darling's first duties on arrival at Bristol in 1946 was to reorganise some of the pharmaceutical work, resulting in the transfer of the larger-scale manufacturing work to premises at Bristol General Hospital, together with the bulk stores of drugs and chemicals. That is now the Group's central store and manufacturing department — a separate unit from the pharmacy of the Bristol General Hospital.

At the Royal Infirmary the pharmaceutical department today consists of the dispensary, a room for the preparation of sterile solutions, ampoules, etc., a stock preparation room, three store rooms, sterile syringe room, staff room, and the chief pharmacist's room, which is also used as a small lecture room.

The group's policy is to concentrate the larger-scale work at the central pharmaceutical manufacturing department (mentioned above), which prepares stock mixtures, certain galenicals, and other preparations that lend themselves to handling on a large scale. The work is, of course, done for all the hospitals in the United Bristol Hospitals Group and not just for the Bristol Royal Infirmary. A useful and time-saving piece of work done by the central department is the "pre-packing" into small containers of such items as lysol, chloroxylenol antiseptic, liquid paraffin, soap solutions, etc. The bottle filling is done by machinery, and results in a great saving of time in the various hospitals. Mr. Darling estimates that if that service were not provided it would be necessary to employ several more pharmacists in the other hospitals. The central department packs something like 100,000 containers a year.

Bristol Royal Hospital has been active in curtailing drug costs. Dr. A. M. G. Campbell told the Institute of Public Administration's conference on "Making the Most of Present Resources" how, "faced with an increasing drug bill, which we had to cut down," an economy committee was formed. The committee consists of five members of the staff—a physician, a surgeon, a paediatrician, a pathologist, the pharmacist and a supplies officer—with power to co-opt. The chief pharmacist outlines each month the cost of individual items; the pros and cons for the expenditure are fully aired and discussed, and if any expenditure is thought to be excessive, steps are taken to try to curtail it. Dr. Campbell said that a saving of about £1,000 a year had been effected in that way. The committee is a permanent one, meeting at regular intervals. It has taken steps to instruct residents and students in the correct use of drugs, particularly the antibiotics, and in that connection, as described in a previous article, a book-



—patient prescriptions being checked prior to dispensing,



A general view of the dispensary showing out-patients' window.

let has been produced which outlines the essential use of each drug, its dangers, and its cost. "In our investigations in the Bristol Royal Hospital, we have found that antibiotics, vitamins and hormones constitute a very large percentage of the total bill," reported Dr. Campbell. "By regular inquiry into the expenditure of various compounds over a month, we have been able to check any sudden increase in



Portion of the central manufacturing department showing "pre-packing" in progress.

expenditure due to an increase in the prescription of these drugs."

The following figures (kindly supplied to me by Mr. Darling) show the work performed by the pharmaceutical department at Bristol Royal Infirmary today:

Out-patient prescriptions dispensed 18,200 per year
Various ampoules filled 10,000 per year
Local anæsthetic solutions 35,000 per year
Sterile syringes 40,000 per year

The staff consists of the following:—

Chief pharmacist (who is also group chief pharmacist of the United Bristol Hospitals).

Deputy chief pharmacist.

Senior pharmacist (one).

Pharmacist (one).

Assistant-in-dispensing (one).

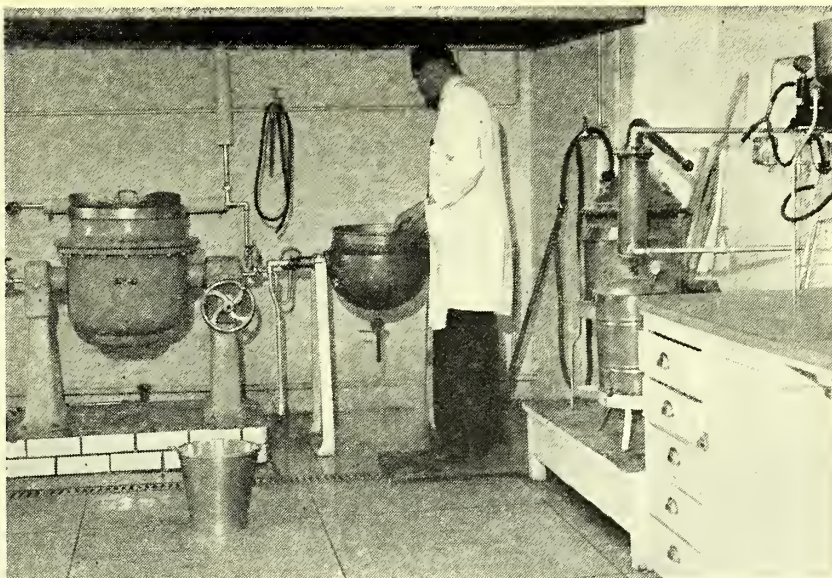
(It is interesting to compare the list with that of the staff ninety years ago (see *C. & D.*, September 8, p. 256). It may seem a small staff for a hospital of this size, but in addition there are employed six technicians who were trained in the department. The six girls do such work as preparing syringes for sterilisation, helping the pharmacists with the cleaning and preparation of glass-ware, bottles, etc., for sterile products, labelling sterile products, sealing ampoules, etc., and acting as messengers to and from wards. (Boys were employed as such messengers in another Queen's reign.)

In addition to the work mentioned above the department is regularly consulted by other departments in the Infirmary for assistance with technical problems, for example, water analysis is regularly done for the laundry and boilers. "We have always encouraged people to bring us their problems and even if we cannot solve them we can probably suggest someone who can," says Mr. Darling. "This is, of course,

In addition to the more orthodox service of information on drugs and their uses which we offer to all members of the medical and nursing staff and to medical students. A large part of the chief pharmacist's time is occupied with keeping this information service up to date. In my personal view it is one of the most important functions of a pharmaceutical department and does more for the standing and prestige of pharmacy in hospitals than any other single service."

In addition to his hospital appointment, Mr. Darling holds the appointment of recognised teacher in practical pharmacy in the faculty of medicine of the University of Bristol. This involves giving lectures and practical classes to medical students, and recently the work has been extended to cover similar courses at the newly formed school of veterinary science. As chief pharmacist he gives the usual lectures to nurses in training, but also lectures on elementary chemistry and physics to the nurses' preliminary training school.

And so we come to the end in 1955 of a story which began in 1735. Things have changed and yet not changed. Two hundred years ago expenditure on drugs was the largest single item in the Infirmary's accounts. There is today a



Plant and apparatus in the manufacturing laboratory of the hospital.

problem of rising expenditure on drugs. Through changes in character from the apothecary who was part doctor, part retailer, to the professional pharmacist, what has remained constant is the importance of the drug department in the Royal Infirmary at Bristol.

PHARMACY IN ISRAEL, 1956

By ALFRED D. CURTIS, Ohio, U.S.A.

I HAVE had the good fortune recently to make a nine-month tour mainly of Israel and, being a pharmacist, I took the opportunity to visit various pharmacies and hospital departments there.

Altogether I spent about four months in Tel Aviv, which is like an area of Brooklyn, New York. Away from Tel Aviv one began to see all of the various peoples that go to make up Israel—perhaps forty different nationalities, many of them distinguished by native dress.

Israel pharmacies seemed much alike in appearance—and most that I saw were similar in size. Some were very busy, with perhaps six assistants. Others seemed to consist of one person, probably the owner, reading a newspaper or otherwise taking life very easy.

Hours Worked

Shop hours were the same throughout the country 8 or 9 a.m. till 1 p.m.; closed for two hours; then open till 7 p.m. All shops are closed at 5 p.m. on Friday afternoon, reopening at 8 a.m. on Sunday. They are also closed on numerous Jewish and national holidays, such as their Independence Day. For emergency service, a few pharmacies are open one night a week until midnight. Prescriptions dispensed after 7 p.m. are charged about ten cents fee more than the normal charge.

A good pharmacy may be bought for £5,000 to £6,500, bringing in from £80 to £160 per month. In Israel a monthly income of £160 is almost princely, compared with average salaries which seem to be at around £42 to £50 a month, whatever the occupation. Thus an employed pharmacist would get such a salary. So would a shorthand-typist, a hospital surgeon, a violinist in a symphony orchestra, and so on. Prescriptions are usually priced at about 4s. for a 1-oz. mixture and at about the same for twelve compounded capsules. Stock figures are not high, running at around £50 in most pharmacies. Most Israeli wives work also supplementing the husband's wages.

One may encounter sometimes fifteen languages in a day in a drug store. English is spoken by most people, but a knowledge of Hebrew is a necessity. There are excellent schools for learning Hebrew, run by the government. They are called "Ulpans." There one can take a five-month course in Hebrew, with three meals a day and living quarters, all for about £3 3s. a week.

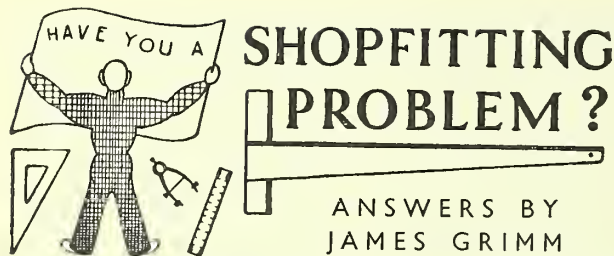
There are about 280 pharmacies in Israel, and close to 1,750,000 people. There are several drug and about eleven chemical factories in the country. Many manufacture United States products under assigned patent rights.

I visited Tel Hoshomer Hospital—a government hospital built by the United States during the 1939–45 war, taken over by the British in 1946, and in 1948 by the Israelis. Seven pharmacists are employed there. I noticed many American products at the hospital. The director of the pharmacy is Albert Basrawi, a native of Panama and graduate of the School of Pharmacy of the American University, Beirut, Lebanon. All pharmacists in Israel are from foreign countries, as the Israeli pharmacy school is only now in its third year. The school accommodates forty students now, and about fifteen students will qualify from it each year. The course is one of four years. Dr. Farkas, a Ph.D. (in pharmacy), from Hungary, is the dean of the School.

Socialised Medicine

An important feature to be considered in Israel's medical treatment is the Kupat Cholim. It corresponds generally to socialised medicine in England, but has its own pharmacies and pharmacists. They do their own manufacturing and distributing, employing about 500 of the 800 pharmacists in Israel. They have two large distribution depots.

About 80 per cent. of the population belong to the Histadrut, a workers' organisation that supports the Kupat Cholim. This means that almost all medicines and treatment are obtained free of charge by the large majority of the people.



I have bought derelict premises which I intend converting into a pharmacy. Would you suggest a suitable frontage and interior layout from the following measurements? Frontage to street: 19 ft., to be wholly taken up by a window and door. (The premises are a private house, so the whole front will have to be reconstructed up as far as two windows on the second story. I do not like black vitrolite and chrome. Nor do I care for tiles. Would polished grey granite and bronze be suitable?) Total floor space for shop and dispensary: 16 ft. x 22 ft. deep by 9 ft. high. (I have a mahogany wall fitting with open shelves on top and drawers and lockers underneath, measurements 12 ft. 6 in. long x 8 ft. high x 10 in. deep. I have also a glass counter with cases at either end, measurements 7 ft. 9 in. long x 2 ft. deep x 3 ft. 6 in. high.) We do a good counter business in family medicines and cosmetics, so I would like deep shelves, particularly as I am limited for storage space.

THE adjoining drawing shows an area 16 ft. wide by 22 ft. back to front, complete with shopfront plan and interior layout. Details are:—

SHOPFRONT. There is one small window on the left and a large one on the right. The latter could be divided into two, if you wished, with a portable centre division. Access to the windows would be by hinged doors glazed with semi-obscured glass. The depth of the lobby from pavement to face of entrance door is 3 ft. 6 in.; the windows are 3 ft. deep; and the shopfront is set back 6 in. from the building line as shown, to form a small forecourt. The lobby floor would be of cream-coloured terrazzo with inset aluminium

strips to form the pattern shown. Polished grey granite and bronze metal would be as durable a selection of materials as possible. If finances allow I would recommend an armour-plate entrance door.

SHOP INTERIOR. Your existing wall fitting I have placed on the right hand wall, and in front of it I have positioned your existing 7 ft. 9 in. counter for service. A floor-to-ceiling screen divides the shop from the dispensary, and on the shop side of the screen would be open locker fittings of the depth you require, with service counter in front. On the left-hand wall, adjoining the window enclosure, would be a shallow showcase with glass sliding doors top and bottom and fitted internally with adjustable plate-glass shelves for display of colourful goods such as cosmetics. A mirror is shown on the wall between the end of the showcase and the counter. To the right of the entrance door is sufficient space for a weighing machine.

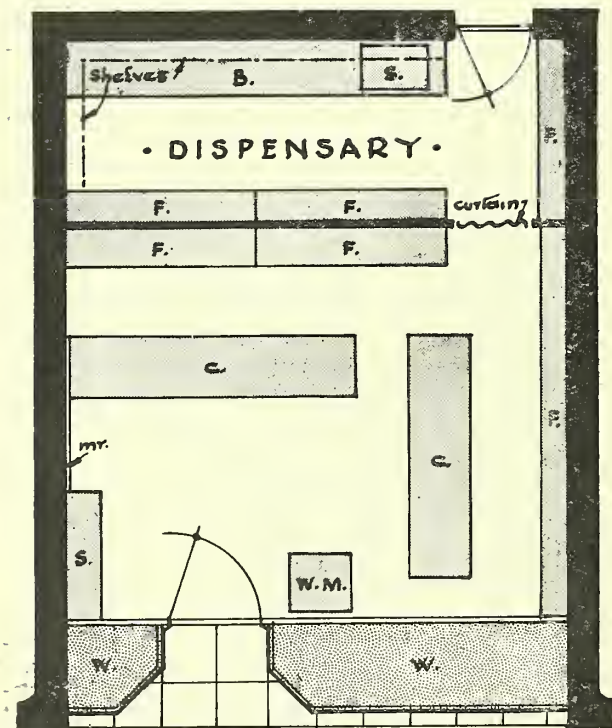
DISPENSARY. I have assumed that there is a door at the rear right-hand corner. If the doorway comes elsewhere in the rear wall a slight adjustment would have to be made to the dispensing bench. In the arrangement shown, a long bench is indicated on the rear wall. It is 21 in. deep, with sink at one end and shelves on the wall above. On the right-hand wall and inside face of the dividing cross screen are shown dispensing fittings. Access between shop and dispensary is by a curtained opening in the position indicated on the plan.

STRUCTURAL STEEL. Presumably there is a 9 in. wall across the front of the dwelling-house, possibly pierced by two domestic-type windows. If so, then a structural steel joist would have to be inserted to form the new shopfront opening, and the upper story under-pinned while the steel was being fixed in position. Another factor should be watched, namely the floor level. The present floor may be above the pavement level, in which instance a step would be necessary. Alternatively the floor could be lowered. A step up into the lobby should be avoided if at all practicable.

We have been in the habit of covering the shop floor with a good-quality lino on a cork base, but it seems to wear out fairly quickly. We serve about 1,500 customers a week. The floor is of wood, and we want some covering that will not show up the dirt very much, as we have to keep it clean ourselves. The covering must also have hard-wearing properties.

WITH a wood floor to work upon, the only practical suggestion I can make is to apply a composition floor called Magnesite. Magnesite is laid in plastic state like asphalt, and is then allowed to set and harden. The thickness of this composition varies according to the state of the wood floor upon which it is laid, but is normally between $\frac{3}{4}$ in. and $1\frac{1}{4}$ in. thick. Sometimes it is desirable to lay a wire mesh over the wood floor first, to form a key for the plastic compound of the floor. Magnesite is obtainable in about six or seven colours, all of which are pleasing, and in mottle. A common practice is to lay two colours in a chequered pattern (about 3-ft. squares), the divisions between the squares being formed by inset black fibre strips about $\frac{1}{4}$ in. wide. When the Magnesite has thoroughly set, it may be washed or scrubbed without any fear of affecting its surface. It also takes a wax polish well. The covering would have approximately five to six times the life of either lino or rubber. The only other alternative I can suggest is rather expensive when compared with Magnesite. It is to take up the present wood floor, complete with the under joists, and fill in with rubble and cement. The cement bed could then be overlaid with either terrazzo or a quarried tile, both of which would be highly durable. It would be, however, a major operation, and would cause considerable upheaval in the shop.

THE death is announced with great regret of our contributor James Grimm. Before his death he had provided many as yet unpublished replies to subscribers' shopfitting problems and they will continue to appear at intervals until exhausted. For the time being no further queries can be answered.



Key to Plan: B—Bench. C—Counter. F—Fitting. MR—Mirror. S—Showcase and sink. W—Window. WM—Weighing machine.



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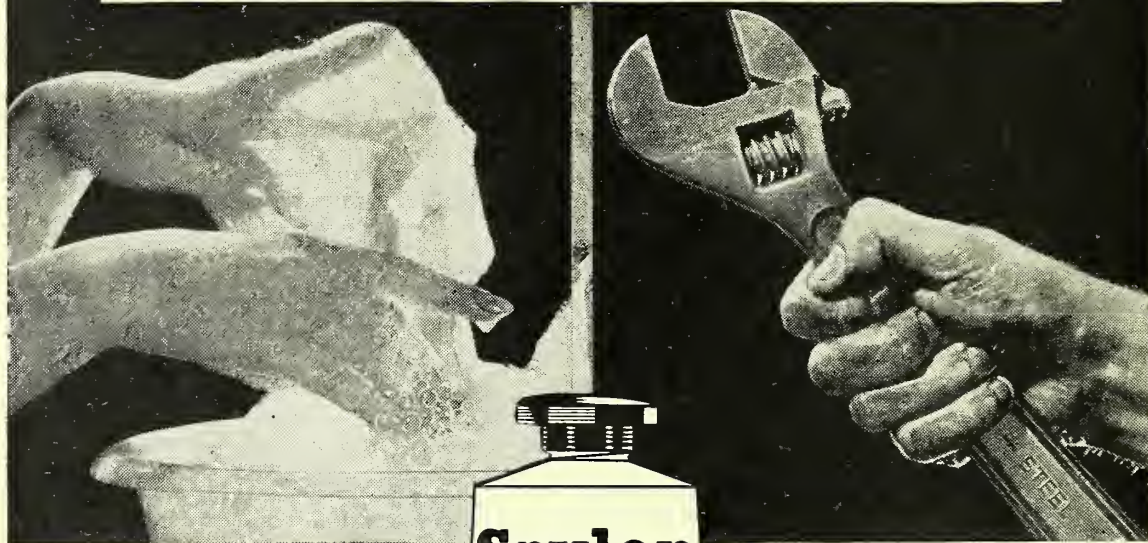
No. 2. 1 doz. 5/3½ bottles for £1.14.8 + P.T. 11/8½

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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, OCTOBER 17: A little more interest was shown in CRUDE DRUGS during the week, particularly in seasonal items like SENEGA and TOLU BALSAM. Shortages continued to prevail in many commodities, both on the spot and for shipment.

Most of the usual holders of CASCARA SAGRADA on the spot have sold out, and the position is believed to be such that any shipment order cabled out to origin is sufficient to push the price up immediately. Curaçao ALOES was dearer in all positions, but spot material was available at a discount against the shipment value. Spot supplies of Chinese star ANISE were tight. CASSIA BARK and BUCHU tended to be firmer. During September, shippers of TINNEVELLY SENNA from Tuticorin were unable to ship their required quantities to the United Kingdom because of lack of shipping space, hence the small figures given below.

	U.K.	U.S.	Continent
SENNA	tons	tons	tons
LEAVES	2	212*	39
PODS	1	3*	25

* Includes 96 tons leaves and 3 tons pods shipped to Buenos Aires by direct steamer.

Arrivals of senna at the warehouses in Tuticorin are said to be showing their seasonal decline. Among SPICES, a decline in the price of various kinds of PEPPER and in Madras TURMERIC were noted, while in PHARMACEUTICAL GUMS, ACACIA was easier and TRAGACANTH slightly firmer.

There were no major changes in the ESSENTIAL OILS market. Formosan CITRONELLA continued to gain, while LEMONGRASS was steady. Chinese ANISE was weaker by sixpence per lb.

The shortage of spot THEOBROMINE noted in last week's report continued, and holders were asking 6s. per lb. more for the ALKALOID and 3s. more for the SALT than recently.

A leading importer of OLIVE OIL reported that although at the commencement of the year exceptionally cold weather harmed the trees in olive-growing districts in France, Italy and Spain, the crop has developed normally. Spain expects an average crop; Italy a small crop, and as the two countries produce half the world total, the overall production is likely to be below average. The following crop estimate is given along with a warning that the figures are subject to variations due to weather or pest, between now and harvesting in December:—(In thousand metric tons): Algeria, 15; Argentine, 5; French Morocco, 20; Greece, 100; Italy, 150; Portugal, 50; Spain, 365; Syria and Lebanon, 15; Tunisia, 75; Turkey, 75; France, Israel, Jugo-Slavia and others, 15. Thus the total crop of edible oil is estimated at 885,000 tons against an average production over the seventeen years 1939 to 1955 of 965,000 tons per annum.

CASTOR OIL was £2 per ton dearer for spot supplies.

Pharmaceutical Chemicals

CALCIUM CHLORIDE. — B.P. crystals are 1s. 3½d., and granulated, 10½d. per lb. in 1-cwt. lots.

CARMINE.—Price is from 112s. to 140s. per lb. as to quantity.

CREAM OF TARTAR.—Rates for the home trade are now as follows:—1-ton lots, 231s. per cwt.; 10-cwt., 232s.; 5-9-cwt., 233s.; 2-4-cwt., 234s.; 1-cwt., 235s.

DIPHENAN.—Prices range from 55s. 3d. (56-lb.) to 63s. (1-lb.) per lb.

HYOSCINE HYDROBROMIDE. — Quotations are from 97s. 6d. to 115s. per oz. as to quantity and holder.

ICHTHAMMOL. — B.P. is from 2s. to 2s. 6d. per lb. in 1-cwt. lots as to origin and container.

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £137 per ton, delivered in the United Kingdom.

LEAD ACETATE.—B.P. crystals are 200s. per cwt., and technical, 180s.

LITHIUM SALTS. — Current minimum rates (5-cwt.) are as follows:—BENZOATE, 11s. per lb.; CARBONATE, B.P.C., 11s. 3d.; CHLORIDE (commercial), 10s. 9d. to 11s.; HYDROXIDE, 9s. 9d.; CITRATE, B.P.C., 9s.; SULPHATE, 8s. 6d.; SALICYLATE, 9s. 9d.; (10-cwt.), delivered.

MANDELIC ACID.—In 1-cwt. lots the price is 12s. 6d. per lb. with the CALCIUM SALT also 12s. 6d. SODIUM MANDELATE is 13s. and AMMONIUM MANDELATE 50 per cent. solution, 7s. 6d.

OLEIC ACID.—Price of pale distilled is 150s. per cwt. for 3½ cwt. original loaned drums.

PHENACETIN. — In 5-cwt. lots makers' price is now 6s. 8d. per lb., 1-cwt., 6s. 9d.

PHENAZONE.—Minimum price for quantity is 13s. 10½d. per lb. with usual differentials for smaller lots. 1-cwt. is now 14s. 1½d. per lb.

PHENOL.—Basic price for ice crystals in drums is 1s. 4½d. per lb. (under 1-ton lots, 1s. 7½d.). Detached crystals, 2d. per lb. above and LIQUID B.P., ¼d. per lb. below the foregoing basic prices.

PHENOLPHTHALEIN.—Rate for 1-cwt. lots is 11s. per lb.

POTASSIUM CHLORIDE. — In 1-cwt. lots B.P., is 2s. per lb.

QUINIDINE.—Prices (per oz.) for minimum 100-oz. lots in the home market are: ALKALOID, 8s. 9d.; SULPHATE, 6s. 7d. Extra charges for small lots.

SODIUM AMINOSALICYLATE.—Fifty to 100-kilo lots are 26s. 6d. per kilo.

SODIUM SULPHATE. — Makers' prices for B.P. range from £11 10s. to £18 17s. 6d. per ton as to crystal and quantity, ex works.

SODIUM SULPHITE. — 1-ton lots on the spot of ANHYDROUS (48-50 per cent.) are £66 10s. per ton in 1-cwt. drums or £62 5s. in 1-cwt. bags; CRYSTALS, B.P.C., are £31 15s. per ton in 2-cwt. paper-lined bags. Commercial crystals are from £25 5s. to £27 as to packing.

THEOBROMINE. — Prices for 1-cwt. lots are: ALKALOID, 28s. per lb. and SODIUM SALICYLATE, 19s. 6d.

ZINC CARBONATE. — In 1-cwt. lots the price is 1s. 9½d. per lb.

ZINC CHLORIDE. — B.P.C., cake from 4s. 6d. to 4s. 10d. per lb.; sticks from 5s. 10d. to 6s. 2d. per lb. TECHNICAL, 117s. 6d. per cwt.

ZINC OXIDE.—Rates for B.P. quality are: 2-ton lots, £132 per ton; 1-ton, £133; 5-cwt., £136; and under 5-cwt., £139, delivered.

ZINC PEROXIDE. — Price (per lb.) for 1-cwt. lots of B.P. is 5s. 3d.

ZINC SULPHATE.—B.P. in 1-cwt. lots is quoted as 1s. 9d. per lb.; technical, 60s. per cwt.

Alcohol

PRICES of plain BRITISH SPIRIT per proof gall. are as follows:—

Ethyl Alcohol: (95 per cent. Gay Lussac, 66 o.p.); where the number of proof gall. taken over any one year ended December 31 is 300,000 or over the price is 2s. 11½d.; 200,000 and less than 300,000, 2s. 11¼d.; 100,000 and less than 200,000, 3s. 0¼d.; 50,000 and less than 100,000, 3s. 0½d.; 10,000 and less than 50,000, 3s. 1¼d.; 2,500 and less than 10,000, 3s. 1½d. Prices are exclusive of duty and are for tank wagon lots.

The following grades are subject to a premium on the above prices as follows:—

Absolute Alcohol, 99·5 per cent., 74·5 o.p., 3d. more per proof gall., the special high strength (99·9 per cent., 72·2 o.p.), 5d. more; Doubly-Rectified Alcohol (S.V.R.), 95·8 per cent., 68 o.p. is 4d. more and P.I. Rectified Alcohol, 96·1 per cent., 68·5 o.p., 8d. more. R. R. Absolute Alcohol (re-rectified, 99·7 per cent., 75 o.p.), 12s. 6d. per bulk gall. net.

Methylated Spirits

METHYLATORS' rates per bulk gall. in Great Britain are as follows:—

Industrial Methylated spirit: Strength 61 o.p., 500 gall. and over in one delivery, 5s. 3½d., 100 gall. and under 500 gall., 5s. 6½d.; 30 gall. and under 100 gall., 5s. 9½d.; 10 gall. and under 30 gall., 6s. 2½d.; 5 gall. and under 10 gall., 6s. 7½d. Strength 64 o.p., 1d. per gall., 66 o.p. (B.P.), 2d.; 68 o.p., 2½d. more than the above rates with 74 o.p. at 6s. 1d. per gall. in lots of 500 gall. Tank wagon delivery is 1½d. per gall. off list price—minimum, 500 gall. For industrial methylated spirit of standard toilet quality prices are from 5s. 10½d. for 500 gall. to 7s. 2½d. for 5-10 gall. of 61 o.p.

Pyridinised industrial methylated spirit: Strength 61 o.p., 500 gall. and over, in one delivery, 5s. 6½d.; 100 gall. and under 500 gall., 5s. 9½d.; 30 gall. and under 100 gall., 6s. 0½d.; 10 gall. and under 30 gall., 6s. 5½d.; 5 gall. and under 10 gall., 6s. 10½d. Strength 64 o.p., 1d. per gall. more than foregoing rates.

Mineralised methylated spirit: Strength 61 o.p. in one delivery, 100 gall. and under 500 gall., 5s. 11d.; 30 gall. and under 100 gall., 6s. 2d.; 10 gall. and under 30 gall., 6s. 7d.; 5 gall. and under 10 gall., 7s. Strength 64 o.p., 1d. per gall. more than foregoing rates.

Methylated resin finish is 3d. per gall. over and methylated shellac finish is 1s. per gall. over the prices for pyridinised methylated spirit.

Terms:—Delivered free and carriage paid on returned empties; net cash one month.

Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 3s. 9d. per lb., duty paid.

AGAR.—*Kobé* No. 1 is from 12s. 6d. per lb., duty paid for shipment, 11s. 3d., c.i.f. New-crop, January–March 1957, 10s. 6d., c.i.f.

ALOE. — Prime Cape for shipment is valued at 328s. per cwt., c.i.f.; spot, 345s. Curaçao, 355s., spot, and 365s., c.i.f.

ANISEED (STAR).—Chinese is 125s. per cwt., c.i.f., for shipment. Spot supplies are tight with 160s. asked.

BALSAMS.—Quotations (per lb.) are:—CANADA: Spot nominally 30s. COPAIBA, 7s. 9d. to 11s., duty paid. PERU, 10s., duty paid. TOLU (genuine as imported) is 27s. 6d. nominal; B.P. is 17s. 6d., spot.

BUCHU.—Spot supplies are about 7s. 3d. to 7s. 6d. per lb.

CAPSICUMS.—East African off stalk are 170s. to 175s. per cwt. on the spot.

CARDAMOMS.—Aleppy greens for prompt shipment are 14s. 3d. per lb., c.i.f. Spot are 14s. 6d.

CASCARILLA. — Spot market bare. New crop, February–March 1957, 2s. 2d. per lb.

CASSIA BARK. — Tending dearer. Whole on the spot is now 92s. 6d. per cwt., in bond, with forward offers unobtainable. Broken, 82s. 6d., in bond, and 65s., c.i.f., nominal.

CHILLIES. — Mombasa, spot 265s. per cwt., 255s., c.i.f.

CINCHONA.—Parcels of druggists' bark are available from 1s. 3½d. to 1s. 5d. per lb., according to total alkaloid content varying from 6.51 to 7.23 per cent.

COLOCYNTH PULP. — Spot offers are 4s. 6d. per lb., duty paid.

DIGITALIS LEAF.—*Purpurea* is offered at 1s. 3d. per lb., c.i.f.

ERGOT.—Portuguese is 8s. per lb., c.i.f.; for prompt shipment and 9s., spot; East European, 4s.; Hungarian 8s. 6d.; American, 6s., all spot.

GINGER. — African on the spot is 237s. 6d. per cwt., with shipment at 230s., c.i.f. New-crop, February–April, 1957, 180s. Jamaican No. 3, 610s., No. 1, 630s. per cwt., spot; no shipment offers.

GUM ACACIA. — Kordofan cleaned sorts on the spot are 141s. per cwt.; afloat, 128s. 6d., c.i.f., and shipment, 125s., c.i.f.

HYDRASTIS. — Spot root not quoted; shipment is 26s. per lb., c.i.f.

IPECACUANHA. — (Per lb.). Colombian, 43s. 6d., spot and 42s., c.i.f. Matto Grosso, 43s. 6d., spot, and 40s., c.i.f. Nicaraguan, spot, 58s. 6d.; shipment at 56s., c.i.f.

KARAYA.—No. 1 gum on the spot is now quoted at 285s. per cwt., and No. 2 at 235s.

KOLA NUTS. — Jamaican are offered at about 8d. per lb., spot, and 6½d., c.i.f. African is 5½d. spot.

LOBELIA HERB. — Spot material is 11s. per lb. prompt shipment, 9s. 7d., c.i.f.

LYCOPodium. — Supplies of Russian triple-sifted are 7s. 3d. per lb. in bond.

MACE.—Whole on the spot is 24s. 6d. per lb.

MENTHOL. — Chinese is 50s. per lb. duty paid. October shipment, 45s., c.i.f. Brazilian, spot, 45s., duty paid.

MERCURY.—Per flask (76-lb.) £83 10s. on the spot.

MYRRH. — Selected sorts are unobtainable on the spot.

NUTMEGS.—West Indian 80's and unassorted are 6s. 6d. per lb.; wormy and broken, 5s. 6d.

ORANGE PEEL. — West Indian bitter quarters are 11d. to 1s. per lb.; Spanish, 1s. to 1s. 3d.

PAPAIN. — Firm. Spot value of East African is 28s. per lb. for grade 1.

PEPPER.—White Sarawak is 2s. 4d. per lb. on the spot, with October shipment about 2s. 2d., c.i.f. Black Sarawak is offering on the spot at 1s. 9d. per lb.; afloat, 1s. 7½d., c.i.f. Black Malabar, 275s. per cwt. on the spot; October shipment, 232s. 6d., c.i.f.

PEPPERMINT LEAVES. — Dutch for shipment are offered from 3s. 4d. to 4s. per lb., c.i.f.

PIMENTO. — Spot is 590s. per cwt. with forward at 540s., f.o.b.

PODOPHYLLUM. — *Emodi* is quoted at 145s. per cwt. ex wharf. *Peltatum*, 475s., landed.

QUASSIA.—Chips are 42s. 6d. per cwt. on the spot.

QUILLAIA.—Spot offers of bark are 220s. per cwt. with shipment nominally 205s., c.i.f.

RAUWOLFIA. — *Serpentina* is offered from 4s. 3d. to 4s. 9d., landed terms, as to origin. *Vomitaria* is 2s. 6d., landed.

RHUBARB.—Quotations for Chinese are from 6s. 6d. to 10s. 3d. per lb., as to quality.

SARSAPARILLA.—Jamaican native red on the spot is 3s. per lb., and for shipment, 2s. 8d., c.i.f.

SASSAFRAS.—Selected bark is 5s. per lb. on the spot.

SEEDS. — (Per cwt.). **ANISE.**—Tunisian quoted at 205s., in bond; Spanish, 250s., duty paid. **CARAWAY.**—Dutch 155s., duty paid and 125s., f.o.b., Holland. **CELERY.**—Indian is scarce on spot, 175s. quoted for small quantities. **CORIANDER.** — Firm. Spot Moroccan, 95s.; Rumanian, 90s.; Bulgarian, 85s.; all duty paid. **CUMIN.**—Steady. Spot Cyprian, 130s.; Iranian, 125s., duty paid. **DILL.** — Unchanged. Indian quoted at 70s., spot. **FENNEL.**—Steady. Indian, 97s. 6d. spot and 89s. quoted for shipment. **FENUGREEK.** — Quieter. Spot Indian, 67s. 6d. and Moroccan, 68s., duty paid. **MUSTARD.**—English, 60s. to 80s. according to quality.

SENEGA. — Spot is 19s. per lb. with shippers asking 19s., c.i.f.

SENNA. — New-crop *Tinnevely* LEAVES (per lb.) are: Prime bold, 1s. 6d.; prime No. 1, 1s. 3½d.; prime No. 2, 1s. 1d.; prime No. 3, 9½d. PODS, f.a.q., 8½d., spot (7½d., c.i.f.); hand-picked, 1s. to 1s. 9d. *Alexandrian* manufacturing pods, 10d. to 1s. 3d.; hand-picked, 5s. 3d. upwards as to quality.

SHELLAC. — F.O.T.N., 340s per cwt.; F.O. No. 1, 340s.; fine orange, 355s. to 405s.

SLIPPERY ELM.—Grinding quality bark is 2s. 6d. per lb.

SQUILL.—White is offered on the spot at 57s. to 62s. 6d.

STRAMONIUM.—Indian LEAVES are 70s. per cwt., and European 80s. on the spot.

STROPHANTHUS.—*Kombé* on the spot is 6s. 9d. per lb. for the 100 per cent.; *Gratus* is 12s. Both nominal.

TONQUIN BEANS. — Para frosted are cleared on the spot but Trinidad are offered at 8s. per lb.

TRAGACANTH.—No. 1 ribbon is £170 to £180 per cwt.; No. 2, £145 to £150.

TURMERIC.—Madras finger on the spot is 82s. 6d. per cwt. with prompt shipment quoted at 70s., c.i.f. New-crop, April–May, 1957, 65s., c.i.f.

VALERIAN ROOT.—Indian on the spot is 140s. per cwt. Dutch, 182s., c.i.f.

VANILLIN.—Rates (per lb.) are now:—5-cwt. lots, 27s. 6d.; 1-cwt., 27s. 9d.; 56-lb., 28s.; smaller quantities, 28s. 3d.

WITCH HAZEL LEAVES. — Spot supplies are 2s. 3d. per lb.; prompt shipment, 2s. 1d., c.i.f.

Essential and Expressed Oils

ANISE.—Chinese, 13s. 9d. per lb., spot, 12s. 9d., c.i.f.

CARDAMOM. — Price per lb. is from 360s. for English-distilled and from 265s. to 295s. for imported.

CASTOR.—Minimum 2-ton lots of pharmaceutical quality £148 per ton, naked ex mill, spot delivery.

CEDARWOOD. — 1-cwt. lots of American are 6s. 3d. per lb., and Kenya, 5s. 9d.

CHENOPODIUM. — Spot oil available at from 33s. 6d. per lb. Shipment is nominal.

CITRONELLA.—Ceylon, spot, 6s. 9d. per lb., afloat, 6s. 3d. per lb.; forward shipment, 5s. 10d., c.i.f. Formosan for shipment is from 7s. 6d. to 8s. for afloat, c.i.f.

CLOVE.—Madagascar leaf is 8s. 10d. per lb., duty paid and 7s. 9d., c.i.f., for shipment. Rectified B.P., 17s. 6d.; distilled bud oil, English, 32s. 6d. to 35s.

CUBE. — Spot price is from 45s. per lb.

DILL. — B.P. English-distilled oil is quoted at 60s. per lb. Imported oils are from 35s. 6d. per lb.

FENNEL.—Spanish sweet on the spot is quoted at 12s. per lb. with Russian at 20s.

LEMONGRASS. — Spot is 11s. 3d. to 11s. 6d. per lb.; shipment, 10s. 1½d., c.i.f.

NUTMEG.—English-distilled is nominally 120s. per lb.; imported, 62s. 6d.

PALMAROSA. — East Indian, 56s., spot; 51s., c.i.f.; Formosan, 40s.

PENNYROYAL. — Spot is quoted from 17s. 6d. per lb., duty paid.

PEPPERMINT.—*Arvensis*: Chinese is 31s. per lb. on the spot and 28s. 9d., c.i.f. Brazilian, 23s., spot, and 22s., c.i.f. Formosan, 19s. 3d., c.i.f. nominal; spot, 20s. Italian "Mitcham" type oil on the spot is 57s. 6d.; American, 38s.

PIMENTO. — English-distilled berry is 175s. per lb.; imported, 73s. Rectified leaf, 27s. 6d. per lb. for small lots.

ROSEMARY.—Spanish oil is very firm on the spot and at origin. Spot value is 6s. 6d. per lb., duty paid.

SPEARMINT. — Offers of U.S.P. oil are from 31s. to 31s. 6d. per lb. on the spot.

UNITED STATES REPORT

NEW YORK, OCTOBER 16: Demand for GLYCERIN was still unsatisfactory, but the market position was reported as stabilising. PHTHALIC ANHYDRIDE was about sold up with consumers urgently seeking supplies. The price for THEOBROMINE ALKALOID rose by 75 cents to a new level of \$4 per lb. with demand reported as good. Trade sources reported that many BOTANICAL DRUGS were scarce and that prices might advance during the autumn. Higher per lb. were Roman CHAMOMILE FLOWERS at \$1.50 (up 30 cents); imported PEPPERMINT LEAVES at 90 cents (five cents); dark Ceylon PAPAIN at \$4.00 (75 cents) with East African at \$4.60 (35 cents); SENEGA at \$2.85 (up ten cents); and AGAR, No. 1, *Kobé*, \$2.15 (up ten cents). Lower was Asiatic gum STYRAX at 75 cents a lb. (down 15 cents). Higher per lb. among ESSENTIAL OILS was Formosan CITRONELLA at \$1.50 (up 25 cents). Lower per lb. was PATCHOULI at \$6.00 (down 25 cents); More popular brands of PEPPERMINT OIL commanded full prices but some dealers were reported to be reducing rates in other cases.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," September 26
For sheep and cattle dips, insecticides, disinfectants, fungicides and preparations for killing weeds and destroying vermin (5)

PARACIDE, 744,260, by Day, Son & Hewitt, Ltd., London, W.1.

For antibiotics being pharmaceutical preparations (5)

ALBAMYCIN, 747,785, by Upjohn of England, Ltd., London, W.1.

For pharmaceutical preparations containing derivatives of veratryl (5)

VERATRIZIDE, 750,376, by the Crookes Laboratories, Ltd., London, N.W.10.

For pharmaceutical preparations and substances for human and veterinary use (5)

TRAVLON, 755,077, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1.

CODALONE, 754,231, by the Wellcome Foundation, Ltd., London, N.W.1.

For antibiotics and pharmaceutical preparations and substances containing antibiotics (5)

STREPTORILONE, 754,405, by Les Laboratoires Français de Chimiothérapie, S.A., Paris, France.

For preparations for the treatment of mental disorders (5)

LUCIDIL, 752,287, by T. J. Smith & Nephew, Ltd., Hull.

For pharmaceutical preparations and substances containing cortisone or cortisone derivatives for the treatment of asthma and related disorders (5)

ASMACORT, 753,626, by Les Laboratoires Français de Chimiothérapie, S.A., Paris, France.

For all goods (5)

NEOMIN, 753,832, by Glaxo Laboratories, Ltd., Greenford, Middlesex. ISENAL, MAREDOX, 754,234-35, by The Wellcome Foundation, Ltd., London, N.W.1. CONTRAMELIN, 755,323, by The British Drug Houses, Ltd., London, N.1.

For veterinary preparations containing yeast for dogs and cats (5)

VIGYEAST, 755,068, by Alfred Dickinson, Blackburn, Lancs.

For waterproof sanitary clothing (5)

NIKINI, 755,454, by V.G. (Inverness), Ltd., Inverness, Scotland.

For photographic apparatus and instruments, etc. (9)

HELIGARON, HELIGON, 752,102-03, by Optische Werke G. Rodenstock, München, K.G., Munich, Germany. BULOVA, 753,349, by Bulova Watch Co., Ltd., Toronto, Canada. MAGNOLAR, 754,091, by Agfa, A.G. Fur Photofabrikation, Leverkusen-Baycrwer, Germany. ZEIGA, 755,322, by Shaftesbury Sheet Metal Works, London, W.9.

For paper handkerchiefs, paper towels, paper pads for lavatory seats and toilet paper, none being medicated (16)

CELTEX, 754,383, by Southalls (Birmingham), Ltd., Birmingham.

From the "Trade Marks Journal," October 3

For casein for use in industry (1)

Device with words SANCOR INDUSTRIA ARGENTINA, 746,842, by Fabricas de Manteca SANCOR Cooperativas Unidas, Limitada, Sun-chales, Santa Fe province, Argentina.

For barium sulphate (1)

BLANCOFIL, 750,366, by Whiffen & Sons, Ltd., London, S.W.6.

For chemical products used in industry, science and photography (1)

ACETOP, 752,867, by Whiffen & Sons, Ltd., London, S.W.6.

For chelating agents; water-softening preparations; detergents; and chemical compounds of minerals for application to the soil to correct deficiencies (1)

DETA, 753,535, by F. W. Berk & Co., Ltd., London, W.1.

For plastics in the form of powders, pastes, liquids, emulsions, dispersions and granulates for industrial use (1)

DINETTE, 754,023, by Commercial Plastics, Ltd., Walkend-on-Tyne, Northumberland.

For non-medicated toilet preparations, cosmetics and depilatory preparations, all in the form of cream; and perfumes, toilet articles not included in other classes, preparations for the teeth and hair, and soap (3)

SANBALM, 749,595, by N.V. Rowntree Handels Maatschappij, Amsterdam, Holland.

For skin cream containing lanolin (3)

Device of words POND'S LANOLIN RICH DRY SKIN CREAM, 750,175, by Chesebrough-Pond's Ltd., Greenford, Middlesex.

For cold cream (3)

Device of words POND'S CLEANSING COLD CREAM, 750,176, by Chesebrough-Pond's Ltd., Greenford, Middlesex.

For vanishing cream for toilet purposes (3)

Device of words POND'S FOUNDATION VANISHING CREAM, 750,177, by Chesebrough-Pond's Ltd., Greenford, Middlesex.

For detergents (3)

PLUSHEEN, 754,433, by Borite, Ltd., Westerham, Kent.

For all goods (3)

VUSANOL, 754,483, by Vasenol-werke Dr. Arthur Kopp, K.G., Oberndorf-Neckar, Germany.

For medicated balms (5)

SANBALM, 749,596, by N.V. Rowntree Handels Maatschappij, Amsterdam, Holland.

For pharmaceutical substances and preparations, surgical bandages and dressings (5)

MACROM, 751,355, by Macarthys (Wholesale Chemists), Ltd., Romford, Essex.

For pharmaceutical substances and preparations (5)

CERTOIDS, 751,965, by Harold Edmund Rosborough, London, W.1. EUPEPYME, 752,650, by Union International Co., Ltd., London, E.C.1. CORTUCID, 755,779, by British Schering, Ltd., London, W.8.

For analgesics and post-operative anaesthetics, all for topical use (5)

Device with the wording DOHOLYT, 754,432, by Doho Chemical Corporation, New York, U.S.A.

For all goods (5)

VUSANOL, 754,484, by Vasenolwerke Dr. Arthur Kopp, K.G., Oberndorf-Neckar, Germany. Device of an owl with words TRADE MARK, 755,626, C. J. Hewlett & Son, Ltd., Watford, Herts.

For preparations of vitamins, of minerals, or of grain germ for use as nutritional aids by addition to animal feeding-stuffs (5)

MULTIMIL, 754,585, by Multiforsa, Ltd., Zug, Switzerland.

For pharmaceutical preparations for use in the diagnosis, treatment or prevention of human and animal sicknesses (5)

CLIN, B755,178, by Etablissements Clinbyla, Paris, France.

For preparations for killing weeds and destroying vermin (5)

SUPER BLITOX, 755,366, by Fisons Pest Control, Ltd., Bourn, Cambs.

For medicated beverages and pharmaceutical preparations for making such beverages (5)

OPTIPRO, 755,421, by A. Wander, Ltd., London, W.1.

For pharmaceutical preparations containing azoles (5)

NEOMERCAZOLE, 755,595, by British Schering, Ltd., London, W.8.

For pharmaceutical preparations, but not including preparations for human use in the treatment of arteriosclerosis (5)

LERON, 756,219, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For pharmaceutical preparations for veterinary use (5)

NICOXIN, 754,352, by May & Baker, Ltd., Dagenham, Essex.

For pharmaceutical preparations for human and veterinary use (5)

SEQUIREX, 756,132, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, October 22

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, The Unicorn, Gidea Park, at 7.45 p.m. Dr. P. W. Muggleton (Glaxo Laboratories, Ltd.) on "Defence Against Poliomyelitis."

Tuesday, October 23

BIRKENHEAD AND WIRRAL BRANCH, PHARMACEUTICAL SOCIETY, General hospital, Birkenhead, at 8 p.m. Dr. A. C. Kirby on "Children's Diseases."

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY, rooms 6 and 7, Chamber of Commerce, New Street, Birmingham, 2, at 7.45 p.m. Interim report by a representative from city analyst's department on "The Research Scheme into Storage Life of Pharmaceutical Preparations"; British Pharmaceutical Conference reports; resolutions for Branch Representatives' Meeting, May 1957.

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, The Grosvenor, Gordon Street, Glasgow, at 7 p.m. Dinner and dance.

LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY, South-east Essex technical college, Longbridge Road, Dagenham, Essex, at 6.30 p.m. Dr. R. Belcher on "Newer Analytical Reagents."

Wednesday, October 24

FOOD GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 6.30 p.m. Debate "That . . . Sugar is an Unnecessary Article in the Dietary."

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Bush House restaurant, Aldwych, London, W.C.2, at 6.30 p.m. Annual dinner and dance.

Thursday, October 25

MIDLANDS SECTION, SOCIETY FOR ANALYTICAL CHEMISTRY, Gas showrooms, Nottingham, at 7 p.m. Mr. D. K. Hale (Chemical Research Laboratory) on "Recent Advances in Ion-exchange Resins."

EDINBURGH AND SOUTH-EASTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7.45 p.m. Mr. B. J. Thomas on "Some Aspects of Practical Pharmacy."

MICROBIOLOGY GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 6.15 p.m. Film show.

TUNBRIDGE WELLS BRANCH, PHARMACEUTICAL SOCIETY, board room, Kent and Sussex hospital, Tunbridge Wells, at 7.30 p.m. Dr. J. Davoll on "Chemotherapy of Cancer."

Friday, October 26

ROYAL INSTITUTE OF CHEMISTRY, Senate house, London University, London, W.C.1, at 3 p.m., and 6.15 p.m. Conference on "The Education and Training of the Chemist."

Saturday, October 27

NATIONAL PHARMACEUTICAL UNION. Area conference for Gloucestershire, Northamptonshire, Oxfordshire, Staffordshire, Warwickshire and Worcestershire areas, Spa hotel, Holly Walk, Leamington Spa, at 7.30 p.m. Informal dinner.

Sunday, October 28

NATIONAL PHARMACEUTICAL UNION. Area conference for Gloucestershire, Northamptonshire, Oxfordshire, Staffordshire, Warwickshire and Worcestershire areas, Chesford Grange hotel, Kenilworth, Warwicks, at 11 a.m., church service; at 12.45 p.m., luncheon; at 2.30 p.m., conference.

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

RESUXINE
NEUTROFOL baby tonic
AMINITROZOLE
ALTRA, LTD. (address)

PRINT AND PUBLICITY

PUBLICATIONS

Booklets and Leaflets

BAYER PRODUCTS, LTD., Neville House, Eden Street, Kingston-on-Thames, Surrey: "A Survey of Clinical Experience with Ion Exchange Resins." Intended primarily for specialists, the booklet puts the case for resin therapy clearly and concisely. Pp. 28.

THOMAS HILL ENGINEERING CO. (HULL), LTD., 247 Beverley Road, Hull, Yorks: "Wasp and Swift Bottle Brushing Machine," "Surgical Syringe, Test Tube, and Vial Cleaning Machine," "Amprinser Ampoule Rinsing Machine," Pp. 2. "Grangemouth Hydro Bottle Cleaning Machine," "Grangemouth Bottle Washing and Rinsing Machines," "Speke Mark II Vial Cleaning Machine," Pp. 4.

PICOT (SALES), LTD., 11 Queen Caroline Street, London, W.6: "Parfums Picot." Pp. 12.

Periodicals

BRITISH TRANSPORT ADVERTISING, Cranbourn Chambers, Leicester Square Station, London, W.C.2: *Transad News*, No. 12. This edition contains an article on the use of British Transport advertising sites by toilet accessory manufacturers. Pp. 8.

MOND NICKEL CO., LTD., Thames House, Millbank, London, S.W.1: *The Mond Magazine*, No. 1. A new publication which is being issued periodically to all interested in nickel and its by-products. The first edition contains a seven-page article on the Terramycin plant of Pfizer, Ltd., at Sandwich, Kent. The publication is free. Pp. 24.

Price List

BROOK, PARKER & CO., LTD., Ashfield, Horton Road, Bradford, 7. Metric equivalents included where available.

PRESS ADVERTISING

W. B. CARTWRIGHT, LTD., Rawdon, Leeds: Penetrol inhalant. In *Woman and Woman's Own* (November-March 1957). Moorland indigestion tablets. In national daily and Sunday newspapers, weekly periodicals and provincial evenings.

MASON PEARSON BROS., 70 Piccadilly, London, W.1: Mason Pearson hairbrush. In national and women's publications.

PHILIPS ELECTRICAL, LTD., Century House, Shaftesbury Avenue, London, W.C.2: Philips shaver. In daily and Sunday newspapers, large circulation magazines, and women's periodicals.

ROLLS RAZOR, LTD., Cricklewood Broadway, London, N.W.2: Rolls Viceroy electric shavers and "super" razor blade. In *Radio Times*, *John Bull*, *Picture Post*, *Punch*, *Reader's Digest*, *Men Only*, *Country Fair*, *Yachtsman*, *Man About Town*, six national daily newspapers, three Sunday newspapers, London *Evening Standard*, etc. (October-December).

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies.

October 28-November 3

ALL STATIONS

SUNDAY: Yardley's lipstick (between 7.30 and 10 p.m.); Coty 24 lipstick (between 8 and 9 p.m.); Colgate dental cream (between 8 and 10 p.m.); Ajax (between 8 and 10 p.m.); Vinolia (between 8 and 10 p.m.); Penetrol inhalant.

SATURDAY: Yardley's lipstick (between 8 and 9.45 p.m.).

LONDON STATION

SUNDAY: Twink (between 8 and 9 p.m.).

MONDAY: Brylcreem (between 10 and 10.30 p.m.).

TUESDAY: Pacquins hand cream (between 9.35 and 10.35 p.m.); Halo shampoo (between 7 and 7.25 p.m.); Brylcreem (between 9.30 and 10 p.m.).

WEDNESDAY: Yardley's lipstick (between 9.35 and 10.35 p.m.); Silvikrin shampoo (between 9.35 and 10.35 p.m.); Gleem; Gibbs' S.R. tooth-

paste (between 10 and 10.30 p.m.); Brylcreem (between 8 and 9.30 p.m.).

THURSDAY: Twink (between 7.55 and 10.5 p.m.); Halo shampoo (between 7 and 7.25 p.m.).

FRIDAY: Pacquins hand cream (between 9.35 and 10.35 p.m.).

SATURDAY: Knight's Castile soap (between 9.45 and 10.15 p.m.).

MONDAY-FRIDAY: Crookes' halibut oil capsules (between 7 and 10.35 p.m.).

BIRMINGHAM STATION

SUNDAY: Rayve (between 8 and 10 p.m.); Knight's Castile soap (between 10 and 10.30 p.m.); Pacquins hand cream (between 4.30 and 5 p.m.); Moorland indigestion tablets.

MONDAY: Crookes' hand cream (at 10 p.m.).

TUESDAY: Gleem.

WEDNESDAY: Rayve (between 8 and 9 p.m.); Crookes' hand cream (between 10 and 10.15 p.m.); Gibbs' S.R. tooth-paste (between 8 and 10 p.m.); Astral cream (between 8 and 10.30 p.m.).

THURSDAY: Yardley's lipstick (between 8 and 9 p.m.); Crookes' hand cream (at 10 p.m.); Astral cream (between 8 and 10.30 p.m.).

FRIDAY: Crookes' hand cream (at 10 p.m.); Loxene medicated shampoo (between 7 and 7.30 p.m.).

SATURDAY: Pacquins hand cream (between 7 and

7.30 p.m.); Cussons' cold cream soap (at 10.45 p.m.).

MONDAY-FRIDAY: Crookes' halibut oil capsules (between 5 and 8 p.m.).

NORTHERN STATION

SUNDAY: Twink (between 8 and 10 p.m.); Rayve (between 8 and 10 p.m.); Knight's Castile soap (between 7.30 and 8 p.m.); Pacquins hand cream (between 4.30 and 5 p.m.); Gleem; Zoflora; Loxene medicated shampoo (between 7.30 and 8 p.m.); Penetrol inhalant; Moorland indigestion tablets.

MONDAY: Amami wave set (between 9 and 9.30 p.m.); Knight's Castile soap.

TUESDAY: Crookes' halibut oil capsules (between 9.30 and 10 p.m.).

WEDNESDAY: Gleem; Amami wave set (between 7 and 11 p.m.).

THURSDAY: Yardley's lipstick (between 7.25 and 9.35 p.m.); Rayve (between 7.55 and 10.5 p.m.); Zoflora.

SATURDAY: Pacquins hand cream (between 7 and 7.30 p.m.); Cussons' cold cream soap (at 10.45 p.m.); Fennings' cooling powders, mother's book, rheumatic tablets (between 2.45 and 3.30 p.m., and 10.45 and 11 p.m.).

DAILY, Monday-Saturday: Silvikrin shampoo.

C. & D. WEEKLY LIST OF PRICES

R=Reduced; I.R.P.=Inclusive Retail Price; *Tax 30 per cent.

EVANS MEDICAL SUPPLIES, LTD.

	Each	
Collubarb- tablets	24	2 6 A
	100	6 0 A
	500	21 6 A

LABORATORY OF APPLIED PATHOLOGY, LTD.

		I.R.P.
Arthropsin (new formula) tablets	50	4 2 6 3 A
	1,000	80 0 122 6 A

NEW PRODUCTS AND PACKS

ASPRO-NICHOLAS, LTD.

Sherley's (new formula) roundworm tablets	6	1 3
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BARBER ELECTRICAL SERVICES, LTD.

Five-nine-six infra-red lamp		59 6
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CUXSON, GERRARD & CO., LTD.

	Doz.	
Aidex cream*	13 0	2 0

GLAXO LABORATORIES, LTD.

	Each	
Cortelan tablets 25 mgm.	100	86 0 114 8

HORLICKS, LTD.

	Doz.	
Rubrimint* 20-gm. tube	20 0	3 0
2-fl. oz. bottle	28 0	4 2

IMPERIAL CHEMICAL (PHARMACEUTICALS), LTD.

Savlon-2 barrier cream*	20 0	3 0
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JARRETT, RAINSFORD & LAUGHTON, LTD.

Twincos Slidaway folding brush*		5 11
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MEDO-CHEMICALS, LTD. (correction)

	Each	
Rapidal tablets	25	2 2 3 3
	100	7 0 10 6
	250	15 6 23 3

G. D. SEARLE & CO., LTD.

Pro-Banthine with phenobarbitone tablets	40	13 4 20 0
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C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for September was 202.8

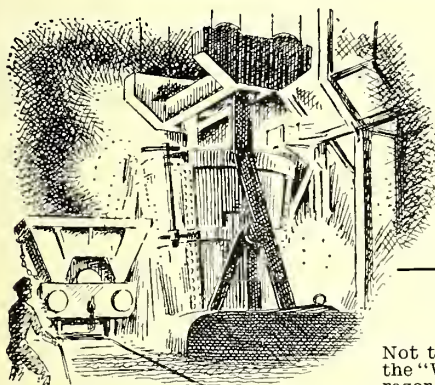
Cost		Item	4 oz.	1 oz.	1 dr.
d.	per		s. d.	s. d.	s. d.
23	500 gm.	Borax, B.P.	0 9	0 2½	—
201	500 gm.	Cremor antazolin., N.F.	6 6	2 0	0 3½
51	500 gm.	Cremor zinci oxid., B.P.C. '49	1 8	0 6	0 1
192	500 mls	Dec. sarsæ co. conc.	6 3	1 10	0 3½
54	500 gm.	Emuls. paraffin. liq. c. hypoph., B.P.C.	1 9	0 6	0 1
58	100 mls	Ext. ergotæ liq., B.P.C.S1 (5)	—	2 4	0 4
108	500 gm.	Glyc. plumbi subacet.PI (9)	3 6	0 11	0 2
58	litre	Lotio calamin. oleos., B.P.C.			—
33	1 oz.	Neb. isoprenalin. sulph. co.	1 0	0 3½	—
69	25 gm.	Ol. menth. pip. redest.	—	4 10	0 9
100	pint	Ol. olivæ	2 10	0 10	0 2
53	25 gm.	Ol. pulgii exot.	—	—	1 5
75	500 gm.	Pulv. pro mist. cretæ	2 5	0 8	0 2
85	100 gm.	Styrax præparata	—	3 5	0 6
84	500 mls	Syr. aurantii	2 9	0 9	0 2
84	500 mls	Syr. rhamni, B.P.C. '34	2 9	0 9	0 2
66	500 mls	Syr. ribis nig.	2 2	0 8	0 2
102	500 gm.	Ung. picis liq.	3 4	0 11	0 2
126	500 gm.	Ung. resorcinol. co., B.P.C.	4 1	1 1	0 2

The bold letter and figures at left of dispensing price relate to the classification of poisons in THE CHEMIST AND DRUGGIST Poisons Guide.

Sleep Sweeter BOURNVITA



Made by **CADBURY**



BLADES FROM SHEFFIELD... *but*
overalls from Gardiner's

—safety in numbers... Blades for young shavers and old ones, too. Blades for the sweeping clean of cheeks and chins... But Overalls from Gardiner's—protective wear for the keeping clean of clothes and the keeping-up of personal appearances. Surface wear to save the surface of the underneaths!



Gardiner's

THE
OVERALL SPECIALISTS

Illustrated left. Style C.66. Ladies' Rayon Overalls in colours: Mid and Light Green, Grey, Navy, Beige, Light and Mid Blue, Cream, Pink, Maroon, Fuchsia Pink and White. SW 30/6, W 31/6, WX 32/3, OS 34/11.

Illustrated right. Style C.67. Ladies' Poplin Overalls with wide overlapping skirt. Colours: Pink, Lavender Blue, Light Green, Cerise, Heliotrope and White. SW 32/3, W & WX 35/3, OS 36/3.

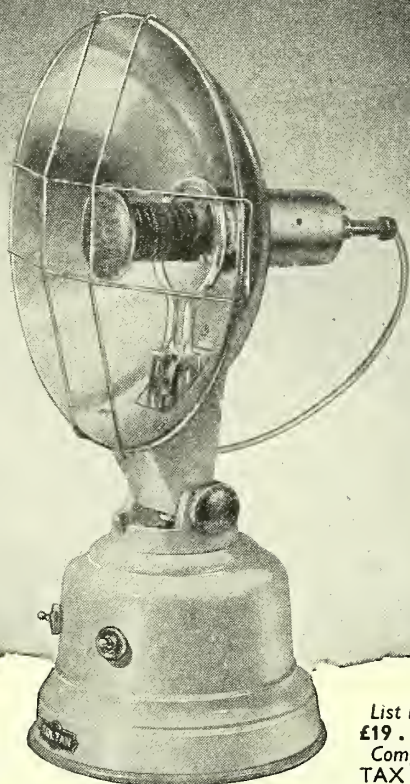
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Gardiner & Co. (The Scotch House) Ltd., 1, 3 & 5 Commercial Road, London, E.1. Tel: BISHopsgate 6751/3

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ULTRA VIOLET • RADIANT HEAT • INFRA RED

**POPULAR for HOME
and PROFESSIONAL USE**



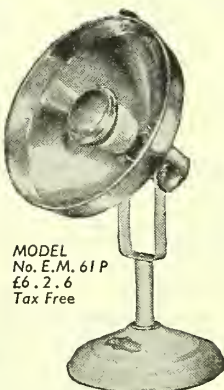
'Sol-Tan'
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Model
100/23 TM

List Price
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Complete
TAX FREE

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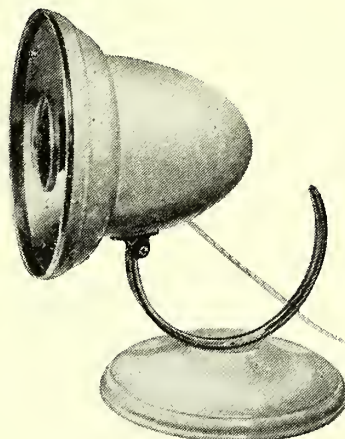
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- ★ Compact, adjustable and efficient.
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- ★ Weighted base ensures stability.
- ★ Hospital Cream finish with Magenta trim.
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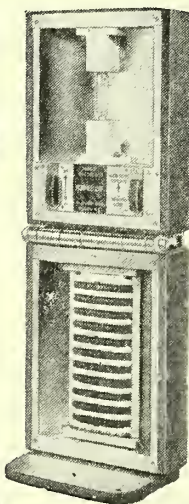
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are advertised every month
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DOUBLE-FEATURE ADVERTISING

in top-circulation journals with a nation-wide appeal to mothers. That's Maw's advertising, designed to continue the phenomenal increase in the sales of their Anticolic Teats, Dinky Feeders and Babyblend—all part of a campaign to bring an increasing Nursery Products trade to chemists—and *Chemists only*. In addition, each month the spotlight is turned on other products featured in Maw's Baby Corner. By displaying Maw's Baby Goods you show your interest in every Mother's greatest interest.



Maw's Baby Corner

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in half-page
advertisements
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Maw's Baby Soap. Another full margin line with an irresistible quality and price appeal. Stock, display and recommend this bland, superfatted, delicately perfumed soap. In attractive display outers of six, priced to retail at 10d per tablet.

**Maw's advertise in
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'Alkathene' houseware is being advertised nationally in women's magazines. All these advertisements feature the 'Alkathene'

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I.C.I. do not themselves manufacture houseware from 'Alkathene'. All enquiries for individual articles should be addressed to the manufacturers through the usual trade channels.

LOOK FOR THIS LABEL

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AH 13/7

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TRESS, already one of the biggest selling wave sets, will reach an even wider market with the addition of this half-size pack. Be sure you have stocks to meet an entirely new demand for 1/9d Tress. The large size will still continue in demand by enthusiasts who have formed the habit of buying Tress at 2/10½d per bottle.

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Price 8/10d
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Lightning quick cash
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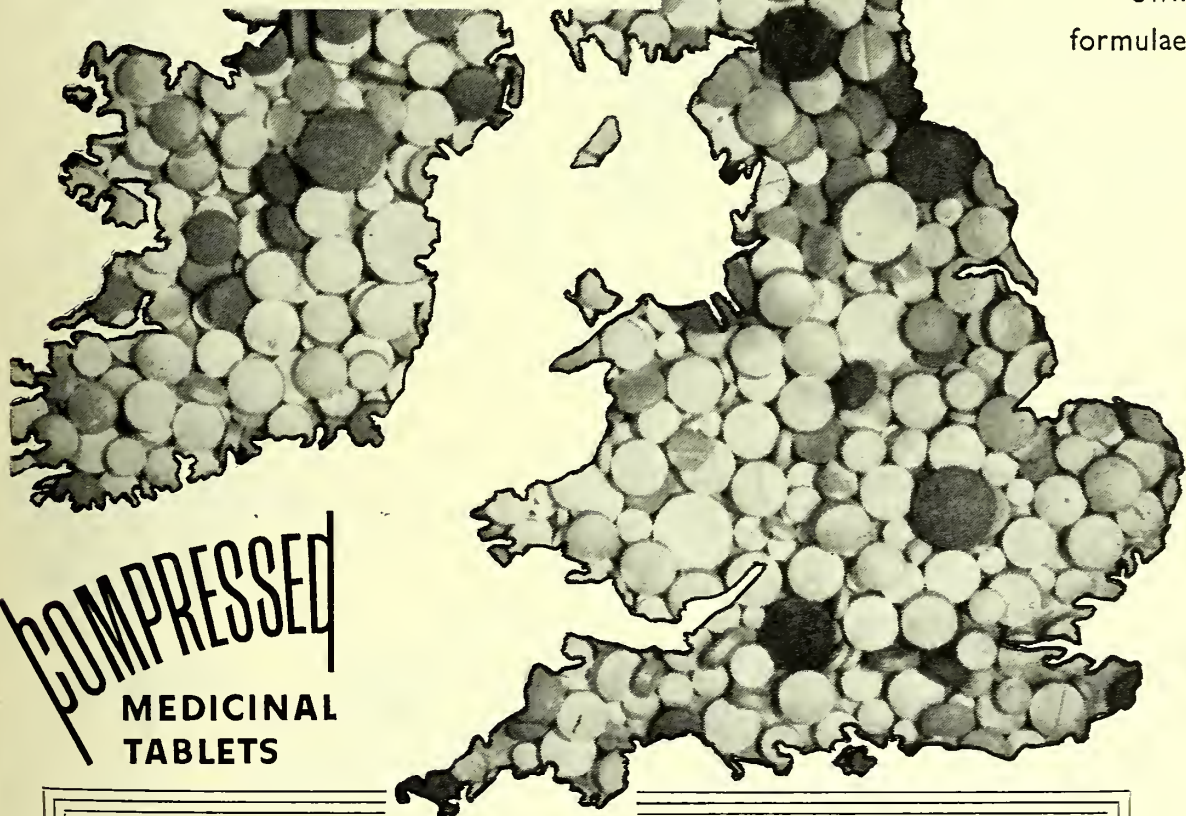
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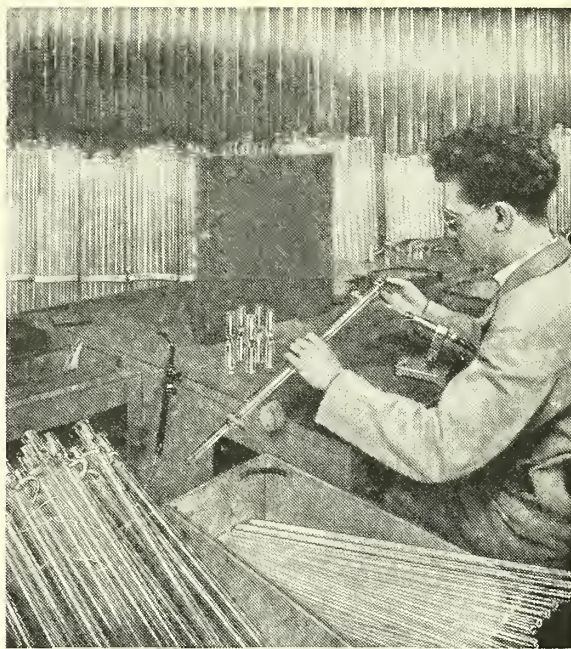
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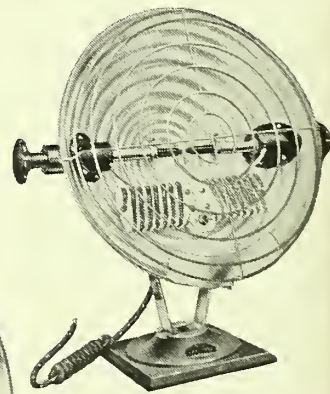
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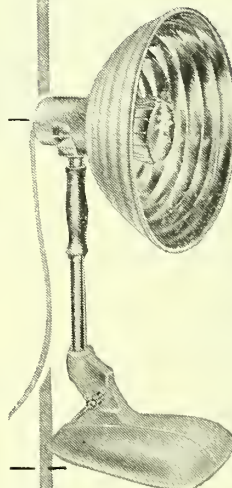
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**PIFCO Infra - Red &
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77/6 retail



RETAILERS: Order NOW from your usual factor

WHOLESALE: Write now for details of the complete PIFCO range

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- Priced at only 79/6d. including tax.
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- It is made in the Midlands of England, by Salter—makers of weighing machines for nearly 200 years.
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**PAPER
and
BAGS***Now Ready**May we send a copy?***James Townsend**

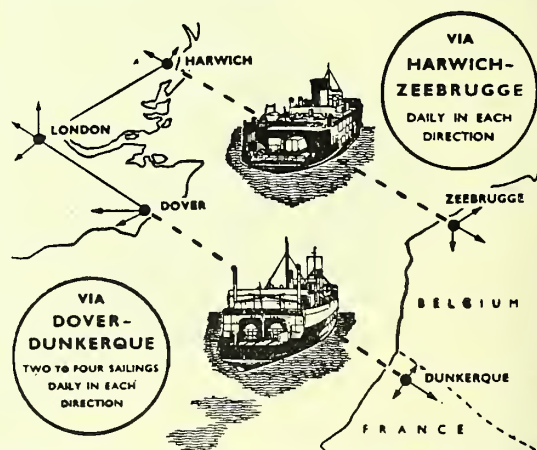
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- ★ Distinctive SQUARE Shape.
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- ★ Reasonable in Price.
- ★ Prompt Despatch from Stock.
- ★ Available in the following sizes :—
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"The Sign of a Good Bottle"

Suggested Packs :—

$\frac{1}{2}$ -oz.—25 Aspirin.

1-oz.—50 Aspirin or 25 Codeine.

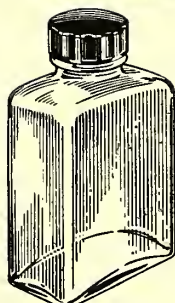
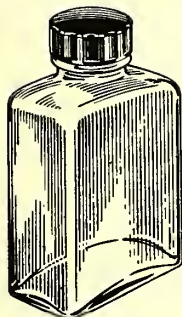
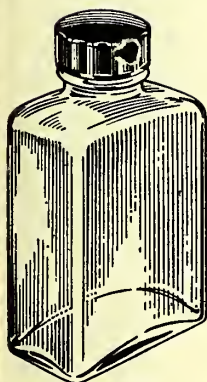
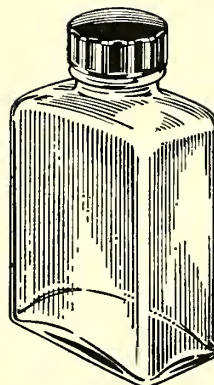
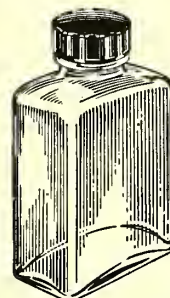
$1\frac{1}{2}$ -oz.—100 Aspirin or 50 Codeine.

$3\frac{1}{2}$ -oz.—100 Codeine.

Beatson Clark & Co., Ltd.

GLASS BOTTLE MANUFACTURERS

ROTHERHAM ESTABLISHED 1751 YORKS.



Zoflora is now in continuous demand—display it on your counter

Zoflora is now being nationally advertised in the foremost woman's magazines and large advertisements are appearing in the provincial press. Why not take advantage and stock up right away. Zoflora sells itself and ensures repeat sales.



Have you seen the
Zoflora

AEROSOL

Zoflora Aerosol is an addition to the popular range of Zoflora floral disinfectant and will feature in all this season's advertising. We anticipate a strong and persistent demand for this product. Retail Price 5/6. Trade Price 44/- per dozen.



Zoflora

floral **DISINFECTANT**

TZ 68.

THORNTON & ROSS
LIMITED
LINTHWAITE LABORATORIES ENGLAND
HUDDERSFIELD

LAPORTE FINE CHEMICALS

HYDROGEN PEROXIDE

BENZOYL PEROXIDE
ORGANIC PEROXY COMPOUNDS
MAGNESIUM PEROXIDE
ZINC PEROXIDE
UREA HYDROGEN PEROXIDE
SODIUM PERBORATE
SODIUM PERCARBONATE
PERSULPHATES
TITANIUM DIOXIDE
BARIUM SULPHATE B.P.
SODIUM LAURYL SULPHATE
EMULSIFYING WAXES



LAPORTE

Laporte Chemicals Ltd., Luton.
Tel.: Luton 4390.
Cables: Laporte, Luton.

More and more people are drinking

Rose's

DIABETIC LIME JUICE

Rose's originally produced their Diabetic Lime Juice expressly for diabetics. But now, more and more people are getting to know that limes have less sugar content than any other fruit; *second*, that Rose's Diabetic Lime Juice is *free from added sugar*. They know it as an invaluable aid to healthy slimness, as well as a refreshing and delicious drink.

Backed by an interesting new advertising campaign in the Diabetic Journal and other medical publications, the demand for Rose's DIABETIC fruit drinks is growing.

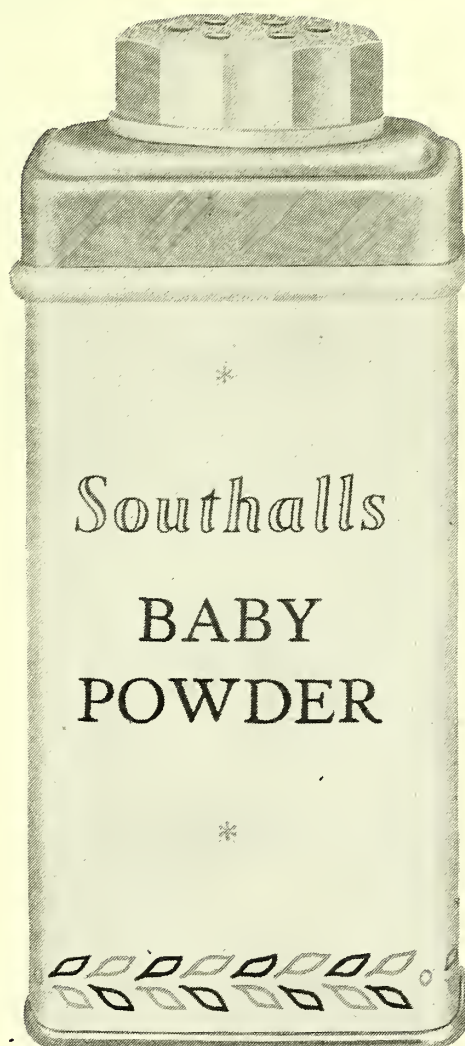
Ensure that your stocks are sufficient to meet this demand.

ROSE'S ALSO PRODUCE ORANGE SQUASH & LEMON SQUASH, AS WELL AS SUGAR-FREE MARMALADE, IN THEIR DIABETIC RANGE



MOTHER LIKES THE POWDER—BABY LIKES THE TIN

Southalls

**PROUDLY
PRESENT...***their new-formula**baby powder,**in its fascinating**'nursery' container*

Made for hygiene, Southalls Baby Powder is a perfect combination of super-fineness, purity and delicate fragrance. The new tin is easy to handle, — with no sharp edges or corners and fitted with a plastic captive top—and the sides are decorated with adorable Nursery Animals, appealing to Mother and Baby alike. Stock up with Southalls Baby Powder *now*—to tie-in with the striking Press Advertisements which will be appearing in widely-read Women's and Nursery Magazines.

**INTRODUCTORY BONUS OFFER!**

A bonus of 4d. per dozen tins, irrespective of quantity, will be given on all orders booked up to and including 31st December, 1956.

*Order through your
usual wholesaler today.*

Retail Price—1/10d. per tin.

Trade Price—12/6d. per doz. tins

(plus P.T. (30%) at 3/9d. per doz. tins).

SOUTHALLS (BIRMINGHAM) LTD.,
Charford Mills, Saltley, Birmingham 8.



Mysore Government Sandalwood Oil consignment being loaded at Bombay Port for transhipment to London Stock of the Trade Agent, per Air India International planes maintaining a 24 hour service between India and U.K.

MYSORE

Sandalwood Oil

For further information apply to:

TRADE AGENT FOR MYSORE

28 Cockspur Street, London, S.W.1. Telephone: WHItchall 8334

For an unusually efficient service in the supply of all Patents, Ethical Proprieties, Drugs, Galenicals and sundries.

We deliver regularly to pharmacists in South Yorkshire, Nottinghamshire and Derbyshire.

SMITH & HILL
(CHEMISTS) LTD.
SIDNEY ST., SHEFFIELD, 1.
Telephone: 28383 (5 lines)

Plenty of people will be
coming into your shop coughing
and sneezing this autumn
sell them

BESORBON

REGD. TRADE MARK

MEDICINAL SNUFF

the proved remedy
for colds and catarrh

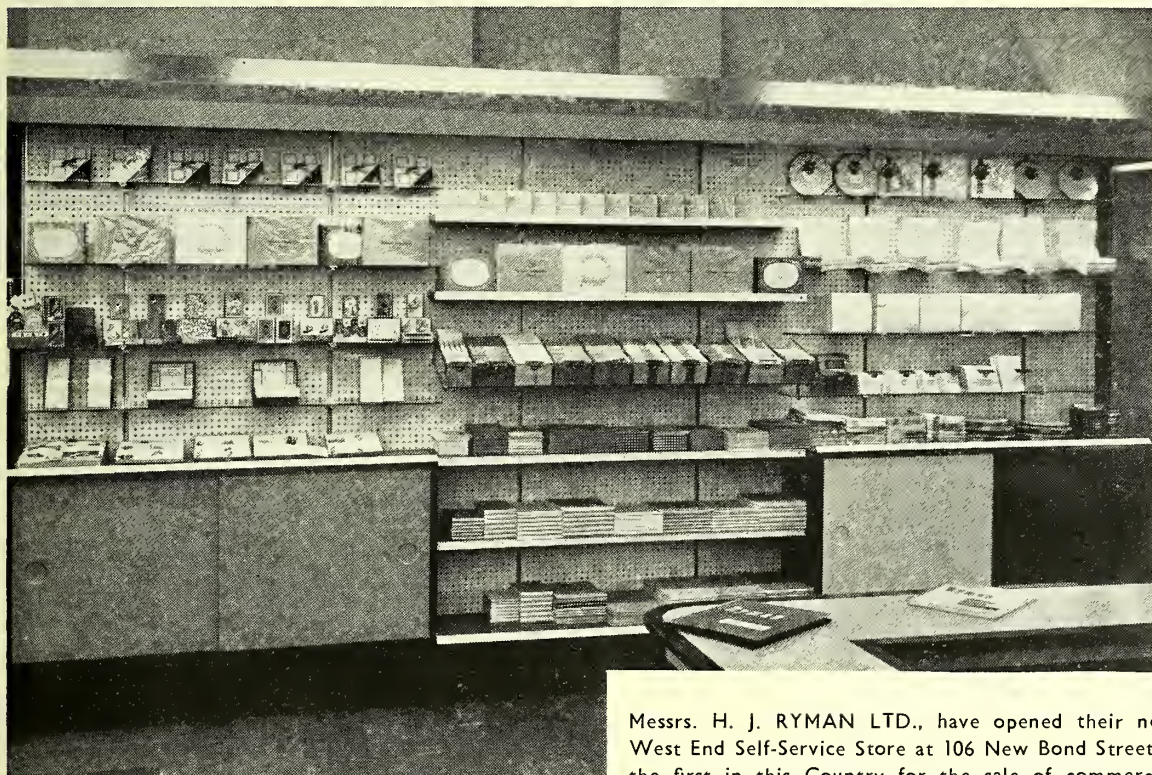
*Your wholesaler can supply you
promptly. Orders of one dozen
come in attractive counter
display box for*

MORE SALES — MORE PROFIT

KEMSALES LTD., 20 EASTCHEAP, LONDON, E.C.3

Vizusell

—in New Bond Street



Architects : **Messrs. NORTH & PARTNERS, MAIDEN-HEAD.**

Shopfitters : **Messrs. A. DAVIES & CO. (SHOPFITTERS), LTD., HORN LANE, LONDON, W.3.**

Colour Consultants : **GEORGE COLLET, M.S.I.A. & ASSOCIATES, 30 HIGHGATE WEST HILL, LONDON, N.6.**

VIZUSELL is basically a system of standard upright metal channels, spaced 30" apart, to which shelf brackets are attached at any height by the simple turn of a screw — simultaneously retaining any type of panel or mirror between the uprights.

VIZUSELL is ideal for Wall, Counter, Island, Window, or any other form of display.

It is also remarkably inexpensive.

**WHATEVER THE SIZE OF
YOUR BUSINESS — VIZUSELL
WILL ENLARGE IT**

Messrs. H. J. RYMAN LTD., have opened their new West End Self-Service Store at 106 New Bond Street—the first in this Country for the sale of commercial Stationery — and VIZUSELL fittings have been used throughout. "WE ARE MORE THAN SATISFIED WITH THE RESULT, AND DELIGHTED WITH VIZUSELL" say Messrs. Ryman.

VIZUSELL makes it easy for the customer to See, to Select, and to Buy, and displays more goods—in an attractive manner. It is fully responsive to design and the planned use of colour, and lends itself to easy changes in display.

Used mainly in this instance for self-service, it is equally adaptable for all other methods of selling, IN ALL TRADES.

Consult your local Shopfitter, or write for full illustrated details to:—

**VERSATILE FITTINGS (W.H.S.) LTD.,
55 FETTER LANE, LONDON, E.C.4**

Phone : FLEET STREET 6262/3

A SUBSIDIARY OF W. H. SMITH & SON LTD

Introducing two new CHANDAU lines



Here are the latest **CHANDAU** lines ready to earn extra profit for you. Easy to stock—easy to sell. Ideal for male presents at a price within reach of all.

CHANDAU AFTER SHAVE TALC

and

CHANDAU AFTER SHAVE SPRAY LOTION

In attractive plastic imitation leather finish spray container.

Retail 5/6 per Spray Container.

Trade 26/8 per doz. plus P/Tax.

Ask for details of the full range of
CHANDAU products.

Order Today!

T. L. BENTON & CO. LTD

186 Seven Sisters Road, London, N.7

Telephone: ARChway 2674



XMAS GIFT BOX
Containing
AFTER SHAVE LOTION
and **TALC**
Retail 11/- box complete
Trade 53/4 doz. plus P/Tax
★NOTE—NO EXTRA
COST for the GIFT BOX



products in constant demand

These and all other Boots Medical Products are available through your usual wholesaler, or from the

Wholesale Division
BOOTS PURE DRUG CO. LTD.,
NOTTINGHAM, ENGLAND.
(Nottingham 45501).

London Sales Office,
71, Fleet Street, E.C.4.
(Fleet Street 0111).

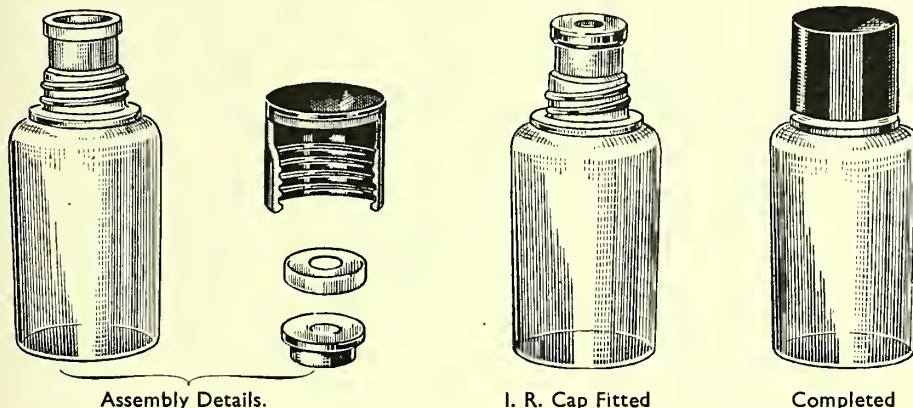
Literature and further information on request.

Nütinal Tablets each containing 1 mg. benactyzine hydrochloride.	Bottle of 100 tablets.	4/6
Fenox Nasal Drops Phenylephrine and naphazoline in a non-oily viscous vehicle of adjusted pH and tonicity.	$\frac{1}{2}$ fl. oz. dropper bottle.	2/6
Hydromycin Ointment and Ear/Eye Ointment combining the anti-inflammatory properties of hydrocortisone with the antibacterial action of neomycin.	Ointment 1% Tubes of 5G. Tubes of 15G. Ear/Eye Ointment 1.5% Tubes of 3G.	8/3 20/9 11/2
Fydal & Fydalex Multi-layered tablets, containing (in order of release) isoprenaline sulphate, butobarbitone (Fydal) or carbromal (Fydalex), and ephedrine with theophylline. For the control of bronchial asthma.	Fydal foil-pack of 10 tablets. Fydalex foil-pack of 10 tablets.	2/6 2/1 + P. Tax
Tusana A palatable cough linctus combining in a demulcent base the sedative effects of codeine, with the properties of cocillana and other dependable expectorants.	4 fl. oz. 20 fl. oz. (dispensing pack) 80 fl. oz. (dispensing pack)	2/9½ plus P Tax 12/6 45/-
Viules Single-dose injections in disposable cartridges.	Details of range and prices on application.	

Prices subject to trade discount.

The "Clinbritic" Mark II

Multi-Dose Injection Bottle



After very many years of useful service, the original "Clinbritic" Vaccine Bottle (Patent No. 492200) has been improved by the incorporation of a **SECURITY SEAL**. All the main features have been retained — Alkaline free bottle (clear or amber), rubber cap, and bakelite cap with special faced wads. The "skirt" of the rubber cap is eliminated and in its place the rubber plug is held in position by an aluminium sealing ring, applied by means of a simple closing tool.

The original "Clinbritic" Vaccine Bottle, which will continue to be available, was featured in the Medical Research Council's War Memorandum No. 15 as follows :—

"A very satisfactory pattern of vaccine bottle, which is rapidly coming into general use, is that described by Berry (1938). The skirted rubber vaccine cap, which closes the bottle, is protected by an outer Bakelite screw cap containing an absorbent pad which can be impregnated with a 10 per cent. solution of chloroxylenol B.P. Provided that the pad is kept well wetted with the solution of chloroxylenol, the skirted rubber cap beneath it will remain always sterile, and will require no further treatment before puncturing."

FULL DETAILS AND SAMPLES FROM:—

BRITTON MALCOLM & Co. Ltd

38 · SOUTHWARK BRIDGE **BM** ROAD · LONDON · S · E · 1

WAT 4874/6

D E P E N D A B L E

Display *Dr Scholl's* Foot Aids NOW... It pays!

Here are a few suggested displays, quickly, easily made. All the display material is supplied free. Ask our representative. He will be pleased to help you.



MAIN WINDOW DISPLAY Ask for Dr. Scholl's Display D1-56

Comprising: Showcards for Zino-pads; Ball-O-Foot Cushions; Display Stand for Tarso-pads; Crowners for Bath Salts, Foot Balm, Onixol, Toe Flex, "2 Drop", Bunion Lotion and Foot Powder.



LOW WINDOW OR SHELF DISPLAY

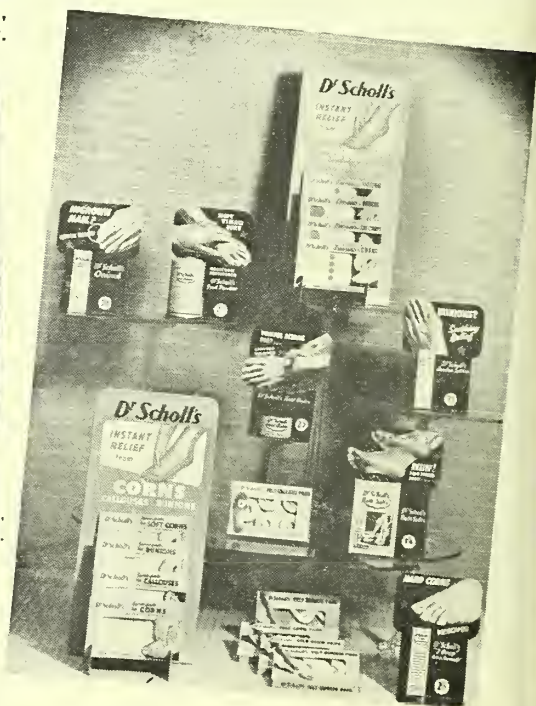
Ask for Dr. Scholl's Display D2-56

Comprising: Showcard for Zino-pads; Crowners for Bath Salts, Bunion Lotion, Foot Balm, Onixol, Foot Powder and "2 Drop".

COUNTER OR SIDE WINDOW DISPLAY

Ask for Dr. Scholl's Display D3-56

Comprising: Display Stands for Tarso-pads; Crowners for Onixol, Foot Powder, Foot Balm, Bunion Lotion, Bath Salts and "2 Drop".



THE SCHOLL MFG. CO., LTD., 182-204 ST. JOHN STREET, LONDON, E.C.1

The CHEMIST AND DRUGGIST

CLASSIFIED ADVERTISEMENTS

Supplement

28 ESSEX STREET, STRAND, LONDON, W.C.2

ORRIDGE & COMPANY

184 STRAND, W.C.2

Tel.: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL

BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel: Belfast 27078

PREMISES TO LET

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

GIDEA PARK AND ILFORD. New shops with living accommodation suitable for chemist, rents from £375 p.a. ex. Romford. New lock-up shop, South Street, rent £750 p.a. ex. Further details from Hilbery Chaplin & Co., 135 South Street, Romford. Telephone: Romford 163/4 and 3309. C 4109

LOCK-UP SHOP and basement, E.I. New front. Good passing trade. Very little competition. Sunday opening. Very low rental. £2200. Would consider partnership basis with qualified dispenser. Cle. 9580. C 4119

BUSINESSES FOR DISPOSAL

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

CHEMISTS. Drug store. Main road, London suburb. Good turnover all lines. Premises and large shop with room for pharmacy. Favourable lease. Box C 4117.

EAST LANCs industrial town. Large well-fitted pharmacy in town centre. Turnover approx. £5,000. Unlimited scope for chemist-optician. Price: fixtures and fittings, £540 plus s.a.v. approx. £1,000. Health reason for sale. Box C 286.

HERBAL HYGIENIC DRUG STORE with stock, fixtures, complete home, £900. Excellent rubber trade. Lease 9 years. Small living accommodation. Tuition given. Price £2,000. No offers. Opposition, none. Apply any time. Herbalist, 36 Cameron Road, Seven Kings, Ilford, Essex. C 4118

LONDON, N.W.10. Chemist. D./f. shop and stockrooms. Turnover about £5,500 p.a. under management. New lease at reasonable rent. Price £1,000 plus stock. Apply Prior & Grainger, 23 Ship Street, Brighton. C 4105

APPOINTMENTS

18/- per half inch (min.) and pro rata.
Box 2/-

CITY OF BRADFORD HEALTH DEPARTMENT

Pharmacist

Applications are invited from suitably qualified persons for this post at the MATERNITY AND CHILD WELFARE SECTION. Salary in accordance with the Pharmaceutical Whitley Council scale, namely, £500 x £25—£575 x £30—£725.

Application forms may be obtained from Medical Officer of Health, Town Hall, Bradford, 1, to whom they should be returned within 14 days of the appearance of this advertisement.

W. H. LEATHEM,

Town Clerk.

C 5780

BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist (Category V). The Pharmacy Department is new and well equipped. Salary £75—£775 plus London Weighting.

Applications stating age, experience, names two referees, to Hospital Secretary. C 266

CENTRAL MIDDLESEX HOSPITAL, PARK ROYAL, N.W.10

Assistant-in-Dispensing

required to work as technician in a modern sterile products department. Salary on Whitley Council scale. Applications stating age and experience with names of two referees to Medical Director. C 5766

CHERRY KNOWLE HOSPITAL, RYHOPE, nr. SUNDERLAND, co. DURHAM

Pharmacist

Full-time Chief Pharmacist (Category I) or part-time (Sessional rates as Pharmacist-in-sole charge). Health Service scales and conditions. Active Psychiatric Hospital of 850 beds. Written applications forthwith to the Group Secretary. C 5742

LEWISHAM GROUP HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

required to fill a vacancy on the permanent establishment at Lewisham Hospital. Salary within scale £500 x £25 (3)—£575 x £30 (5) to £725 p.a., plus London Weighting. Applications, stating age, qualifications and experience, with names of two referees, to the Chief Pharmacist, Lewisham Hospital, Lewisham High Street, London, S.E.13. C 5773

LUTON AND DUNSTABLE HOSPITAL, LUTON, BEDS

(306 Beds)

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist at the above acute general hospital. Salary scale £575 x £30 (5) x £25 (2)—£775 per annum. Whitley Council service conditions. Written applications naming two referees to Assistant Hospital Secretary. C 5777

NOTTINGHAM No. 1 HOSPITAL MANAGEMENT COMMITTEE,

Senior Pharmacist

Applications are invited for the appointment of Senior Pharmacist to take charge of, and develop the Sterile Products Unit at the General Hospital, Nottingham.

Detailed information may be obtained from the Chief Pharmacist.

Applications stating age, qualifications, and experience, particularly in the preparation of Sterile Products, together with the names of two referees, to be sent to the Group Secretary, General Hospital, Nottingham. C 281

SOUTH-WEST MIDDLESEX HOSPITAL MANAGEMENT COMMITTEE,

WEST MIDDLESEX HOSPITAL

(Category V)

Senior Pharmacist

required to take charge of new Sterile Laboratory. Should be experienced in this type of work. Salary scale £575—£775 plus London Weighting, and Higher Qualification Allowance £25 per annum. Commencing salary determined by previous experience. Whitley conditions. Applications, stating age, qualifications and experience, with copies of testimonials, and names and addresses of three referees to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex C 5776

QUEEN MARY'S HOSPITAL FOR CHILDREN, CARSHALTON

Assistant-in-Dispensing

Applications are invited from suitably qualified persons for the post of Assistant-in-Dispensing. Salary according to Whitley Council scale plus London Weighting.

Applications to the Group Secretary. C 290

ROYAL DEVON AND EXETER HOSPITAL, EXETER

Pharmacist

Applications for the post of Pharmacist are invited with duties at other Exeter Hospitals. Salary in the range £500—£725 per annum, plus £25 per annum higher qualification allowance. The appointment is subject to medical examination and National Health Service regulations. Applications, stating age, qualifications and experience (if any) with copies of two testimonials, to the Hospital Secretary. C 5711

ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS

(384 Beds)

(a) Senior Pharmacist (Category III)

(b) Pharmacist

Applications are invited immediately for the post of Senior Pharmacist (Category III) at the above busy general Hospital, half an hour from Central London.

Pharmacist also required. This is a newly created post to meet the needs of a busy and expanding department, and would be suitable for a newly qualified person. Whitley Council salaries and conditions. Applications, stating age, qualifications and experience to the Chief Pharmacist. C 285

ST. ALFEGE'S HOSPITAL, GREENWICH, S.E.10

(Category IV)

Deputy Chief Pharmacist

Applications are invited for the above post. Salary £655—£880 p.a. in a well-equipped department at the above hospital, which may be inspected by arrangement with the Chief Pharmacist. Whitley Council conditions. Applications to Acting Secretary, G. & D./H.M.C., at above hospital. C 5710

ST. GEORGE'S HOSPITAL, HYDE PARK CORNER, S.W.1

Pharmacist

required for this Teaching Hospital. Salary in accordance with Whitley Council scale. Applications to Chief Pharmacist. C 5762

ST. MARK'S HOSPITAL, CITY ROAD, LONDON, E.C.1, Post-graduate Teaching Hospital

Pharmacist

Applications invited for the appointment of Pharmacist at this surgical hospital (rectal and colonic). New Whitley Council salary scale £500—£725, plus London Weighting. Additional £25 if holding higher qualification. Service in retail pharmacy, etc., taken into account in deciding commencing salary. Age, qualifications, experience, names two referees to Secretary. C 5775

Appointments—Continued**STOKE-ON-TRENT HOSPITAL
MANAGEMENT COMMITTEE,
CITY GENERAL HOSPITAL,
STOKE-ON-TRENT****Assistant-in-Dispensing**

Applications invited for the above post. Salary in accordance with National Scales. Applicants must hold the Certificate of Apothecaries of London or other equivalent qualification. Applications giving full details including previous experience, to the Secretary at the Hospital. C 5741

**ST. PETER'S HOSPITAL,
CHERTSEY, SURREY****Pharmacist**

required. Salary £500-£700 p.a. according to experience. Whitley Council conditions. Accommodation available for single woman at £135 p.a. Applications stating age and experience to Hospital Secretary. C 5716

**THE BOARD OF GOVERNORS,
THE HAMMERSMITH, WEST
LONDON AND ST. MARK'S
HOSPITALS,
WEST LONDON HOSPITAL,
HAMMERSMITH ROAD,
LONDON, W.6****Pharmacist**

Applications invited for the post of Pharmacist at the above hospital, which is a general teaching hospital of 238 beds. Whitley salary scale and conditions. Applications, stating age, qualifications, experience, names two referees should be forwarded direct to the Hospital Secretary. C 5774

**THE LONDON HOSPITAL,
WHITECHAPEL, E.1****Registered Pharmacist**

Vacancy exists for the above post. Salary £500 x £25 (3) x £30 (5)—£725, according to previous experience and service. Dining room facilities available. Write Secretary. C 289

**WORTHING GROUP HOSPITAL
MANAGEMENT COMMITTEE,
WORTHING HOSPITAL,
LYNDHURST ROAD,
WORTHING, SUSSEX****Pharmacist**

Applications are invited for the appointment of pharmacist (male or female), vacant November 1956, for duties in new department recently opened. Salary and conditions of service in accordance with Pharmaceutical Whitley Council Scale. Applications stating age, qualifications and experience, together with the names of two referees, to be forwarded to the Hospital Secretary.

A. V. OAKTON,
Group Secretary.
C 280

SITUATIONS VACANT

12/- for 36 words (min.) then 4d. per word.
Box 2/-

RETAIL (HOME)

DONCASTER CO-OPERATIVE CHEMISTS, LTD., require the services of pharmacist (male or female) as branch manager. Payment on "sales" scale, plus bonus. Salary at smallest branch over £900 per year. Rota payment extra. All shops in prosperous industrial areas where sales increases are possible. 44-hour week. Applications with usual particulars to the Superintendent Chemist, Doncaster Co-operative Chemists, Ltd., P.O. Box 20, Doncaster. C 278

DISPENSING ASSISTANT, lady, required shortly for middle-class family business. Good hours and easily worked pharmacy. Please give full details of previous experience, age, etc., to Arnold M. Gee, Ltd., 83 Dedworth Road, Windsor. C 4111

LADY ASSISTANT REQUIRED for counter, display, stock, etc. Most agencies. (Shop being refitted November 4.) Apply stating age, experience, etc., Mr. Woolf, 30 High Street, Banstead, Surrey. Burgh Heath 720 during day (Burgh Heath 2024 after 7 on Sunday). C 4043

NORTH LONDON. Unqualified assistant required (lady or gentleman) for good-class business in North Finchley, N.3, nr. Finchley Central Station. Dispensing and counter. Hours 9 a.m.—6 p.m. Thursdays 1 p.m. Congenial position. Salary according to age and experience. Apply with details of previous experience to Box C 5758.

SCOTLAND: CHEMIST. Required as pharmacy manager for Lanarkshire Branch. Good commencing salary with entry to Superannuation Scheme after initial period of service. An excellent three-apartment flat with kitchenette and bath-room is available at low rental. Applications in writing stating age, experience and when free for interview to: Mr. G. M. Archibald, M.P.S., Technical Supervisor, S.C.W.S., Ltd., Retail Drug Department, 187 Bogmow Road, Shieldhall, Glasgow. C 4115

STOCKTAKERS. Orridge & Company offer permanent careers to applicants having good knowledge of retail prices, drugs, etc. Vacancies in London, Liverpool and Birmingham offices. Attractive salaries. Expenses paid. Previous experience preferred but not essential. Apply 184 Strand, W.C.2. C 282

TAMWORTH, STAFFS (B'ham 15 miles). Pharmacist (male or female), for shop to be opened on new housing estate. Modern 2-bed. flat or 3-bed. house available. Easy hours. Salary and commission. Partnership if satisfactory later. Milo Turner, Chemist, Tamworth. Phone 219. C 4088

VACANCY OCCURS for an experienced male assistant, must be accustomed to busy dispensing and general retail routine. No Sunday rota. Good salary for right man. Tomlinson, Ph.C., 63 Oxford Road, Burnley. C 279

WIMBLEDON. Unqualified lady assistant required for counter and general duties. Salary according to age and experience. Apply to G. Penman, 1 Queens Road, Wimbledon (Wim. 0500). C 4097

YORK CO-OPERATIVE CHEMISTS' SOCIETY, LTD., require branch manager, lady or gentleman, for new pharmacy in suburb of York. Small, easily worked, but developing business. Good salary and conditions. Self-contained, splendidly equipped modern flat at moderate rental. Apply, giving full details to the Superintendent Chemist, 22 Railway Street, York. C 4011

WHOLESALE**ALLIED LABORATORIES, LTD.**

MEDICAL REPRESENTATIVES for two areas:—

- (i) Essex.
- (ii) Hertfordshire.

Men with sound pharmaceutical knowledge and resident on the territories should apply with full details in confidence. Previous experience not essential and age is no bar. Commensurate remuneration, life assurance/pension scheme for established staff. Allied Laboratories, Ltd., 140 Park Lane, London, W.1. C 5719

A WELL-KNOWN COMPANY near London has a vacancy for a Pharmacist as Head of a Production Department. The post offers considerable scope for initiative, energy and management ability. Previous experience in the production of ethical products will be an advantage. Five-day week, contributory pension scheme. Salary according to qualifications and experience. Apply initially in writing to Box C 5740.

CHEMICAL MANAGER (not pharmaceutical) required by export merchants. Top salary paid to man with wide experience. Only those with real up-to-date experience need apply. Box C 4103.

COMPETENT ANALYST required for analytical department of pharmaceutical manufacturers, London area. Apply with full details of qualifications and experience. Present staff informed. Box C 5765.

MERCK SHARP & DOHME, LIMITED

A MEDICAL REPRESENTATIVE will shortly be required for the COUNTY OF HAMPSHIRE.

Applications are invited from men between the ages of 23-35 who are desirous of making Medical Representative work their career.

A pharmaceutical qualification is not essential but applicants should possess a good pharmaceutical background or had previous experience in Representative work. A short course of training for this interesting career will be given at our Hoddesdon offices. Good remuneration and Company car provided. Pension Scheme in force. Apply in writing: Sales Manager, Merck Sharp & Dohme, Ltd., Hoddesdon, Herts. C 5779

EXPERIENCED FOREMAN tablet maker with knowledge of all branches of production required by expanding company. Five-day week, canteen available. Pension scheme. Full details of experience and salary required to Box C 5745.

JOHNSON & JOHNSON (GT. BRITAIN), LTD., will be requiring shortly a few additional **REPRESENTATIVES** for their Hospital Sales Division. Applications are invited from men who are not more than 40 years of age and are desirous of making selling their career. A company car is provided and all usual expenses are paid. There is a generous pension plan after an initial qualifying period. Applications should be by letter, giving full details as to previous experience, education, mobility, etc., to Hospital Sales Manager, Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks. Applicants for interview will receive a reply within three weeks, otherwise please consider application unsuccessful. C 5769

MANAGER required for small wholesale chemists and hairdressers' sundriesmen, West of England. State experience, salary, age, references, to Box C 4098.

MEDICAL REPRESENTATIVES required by London manufacturing chemists to call on doctors, dentists, hospitals, and chemists. Experience of medical detailing an advantage but not essential if applicant has a good pharmaceutical background. Applications invited from pharmacists, 25 to 40 years of age, stating experience and salary required. Box C 264.

MEDICAL REPRESENTATION

Applications are invited for Medical Representatives to join one of the country's largest pharmaceutical manufacturers. The rapid expansion of the Company with promotions has created a number of vacancies in the field. These positions carry considerable scope for ambitious young men together with excellent promotion prospects. In addition to salary and bonus a non-contributory pension scheme and a car are provided. Whilst pharmaceutical qualifications are desirable applications will also be considered from those with good comparable background. Apply Box C 5778.

MIDDLESEX

APPLICATIONS invited from men with real interest in medical representation to take over established connection. A sound knowledge of pharmacy is needed but experience of the work not essential. Residence in Middlesex or West London necessary. This is a first-class pensionable position. Staff know of advert. Full details, strictly confidential, to Box C 5718.

M.P.S. with analytical and manufacturing experience required by manufacturing Chemists in Midlands, progressive position, five-day week. Apply in confidence stating age, experience and salary required to Box C 4094.

PUBLICITY MANAGER with practical knowledge medical representation required by manufacturing chemists (London area). Applications with full particulars past experience, age and salary required to Box C 291.

REPRESENTATIVES. A company already extending operations into perfumery departments of chemists and stores, intends to appoint several top-grade representatives to call on the stores, wholesale and multiple, and best retail pharmacies. Applications from any area will be considered and the operations of the successful candidates will be organised largely round their existing connections. The prospects are unusually good, a four-figure starting salary being envisaged. Car provided or car allowance paid. Pension scheme. Write giving age and details of experience to Box C 5770.

**ASSISTANT SALES AND ADVERTISING
MANAGER**

A Company marketing well known nationally advertised branded merchandise in both medicinal and toilet field now have in mind appointing an Assistant Sales and Advertising manager.

The man appointed, not over 40, must be able to command the respect of a Sales force consisting of men of the highest calibre and be able to deal with correspondence both to the trade and the public in a convincing and courteous manner. Some knowledge of advertising and point-of-sale promotion and its application to the Drug and Toilet Trade is desirable.

Applications, which will be treated in the strictest confidence, should be made by letter giving complete details of career to date stating age and salary required, addressed to the Managing Director, Box C 5764.

PFIZER LTD.**MEDICAL REPRESENTATIVES**

Owing to continued expansion Pfizer Ltd. wish to enlarge their Medical Representative Force and invite applications for these positions.

The Company is a British subsidiary of leading American ethical pharmaceutical house.

Preference will be given to applicants with pharmaceutical qualifications or experience with an ethical house. Good starting salary and expenses. Car provided. Non-contributory Pension Scheme. Previous applicants need not re-apply.

Applications, giving full particulars of age, experience, etc., should be made in writing to the Personnel Officer, 137/139, Sandgate Road, Folkestone, Kent, quoting ref. TN/10.

C 287

Situations Vacant—Continued

REPRESENTATIVE REQUIRED. Progressive firm of wholesale chemists' sundriesmen have excellent opening for suitable applicant, existing connection of extremely good accounts showing very good living handed over. Unique opportunity. Must be able to drive. Apply Box C 4108.

TRAVELLER required for north-eastern counties. Must have good knowledge of trade and know chemists covering the area. Substantial salary, car allowance, and commission. Apply Box C 283.

WELL-PAID, permanent, progressive position to unqualified dispenser for blending aromatic oils and chemicals, 5-day week. Full details to Box P.P. 60583, Samson Clark, 57/61 Mortimer Street, London, W.1. C 5772

YORKSHIRE. Additional representative required. Commencing salary £500 p.a., plus all expenses and commission. Car provided. Preferably 25 to 35 and experienced in pharmaceuticals. Training given if necessary. Replies in confidence. British Chemotherapeutic Products, Ltd., Kemtheutic House, P.O. Box 242, Bradford, Yorks. C 5771

WHOLESALE (OVERSEAS)

TABLET MAKER. Manufacturing chemists in South Africa require tablet maker fully conversant with all phases of the manufacture of plain and coated tablets. Salary £1,200 per annum. Passage paid. Interviews will be arranged in London. Write with full particulars to Box C 4076.

UCAL

United Chemists Association, Ltd., are seeking Commission Agent to represent them in Scotland, Tyneside and Durham, calling on private chemists exclusively.

Established accounts will be handed over and every assistance given. No objection to non-competitive products. Commission 10 per cent, to commence on Ucal Specialities, Packed Goods and Sundries.

Applications with full personal details and area and connection, in strict confidence to Sales Manager, Ucal Works, Cheltenham, Glos.

C 5736

PAKISTAN NATIONAL required as Analyst for the Karachi works of Burroughs Wellcome & Co. Candidates should hold one or more of the following qualifications:—

- Degree in Pharmacy and Membership of the Pharmaceutical Society of Great Britain.
- The Pharmaceutical Chemist Diploma of the Pharmaceutical Society of Great Britain.
- A Degree in Chemistry or Associate-ship of the Royal Institute of Chemistry.

The post is an interesting one in a rapidly expanding organisation and calls for ability to organise an analytical laboratory and control staff. The successful candidate will receive preliminary training at the Company's works at Dartford. Salary will be according to qualifications and experience. Applications should be made to the Personnel Manager, Wellcome Chemical Works, Dartford, Kent. C 5781

AGENTS WANTED

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

ACTIVE AGENTS, all districts, for new, quick-selling Xmas novelty. Generous commission. Please give references and details of lines already handled. Write in confidence, Seasonal Perfumes, 4 Queen's Road, Quadrant, Brighton. C 4074

AGENT required calling on chemists (retail) for 'Elizabethan' hot-water bottles. London and Home Counties. Write or phone George MacLellan & Co., Ltd., Burston Road, Putney, S.W.15 (Putney 5678). C 4104

CLERICAL

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AN ADDITIONAL WRITER (male) is wanted by leading pharmaceutical manufacturers in their London office, to prepare copy and advertising campaigns directed to the medical and allied professions in this country and overseas. Applicants should enjoy clear English prose and be able to write it to order; should have read widely to satisfy an omnivorous curiosity; should be able to put broad principles into practice in painstaking detail; and should enjoy solving a changing diversity of problems. Agency experience or a knowledge of medicine or pharmacy is not necessarily an advantage. Applicants should have completed their period of National Service and a university degree, though not essential, would be an advantage. Apply giving age and full details of educational background and previous experience, if any, to Box C 5768.

SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word.
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WHOLESALE

AREA MANAGERSHIP sought. North of England. Advertiser having had 10 years' experience as medical detailman with leading houses. Age 37. Present salary £850. Box C 4114.

EXPERIENCED SALES REPRESENTATIVE at present with national house and covering chemists in the London (North Thames) territory desires change. Would welcome offers. Box C 4113.

EXPERIENCED TABLET MAKER with good knowledge of granulating and coating desires situation in London. Box C 4112.

C. L. BENCARD, LTD.,

wish to appoint a first-rate, experienced medical representative in South Wales, including the counties of Pembroke, Cardigan, Carmarthen and West Glamorgan. The post offers exceptional prospects; full expenses and a car are provided, and bonus and pension schemes operate. Apply, giving full details of experience, to the Sales Manager, C. L. Bencard, Ltd., Minerva Road, Park Royal, London, N.W.10.

C 5747

EVANS MEDICAL SUPPLIES LTD.**Tablet Department Manager**

Applications are invited for the position of head of a large newly-constructed department shortly to be opened for the purpose of manufacturing pharmaceutical tablets. Applicants must have previous experience of large-scale tablet manufacture. This is a senior appointment and its remuneration will be commensurate with the importance the company attaches to the position. The company operates a pension scheme and life insurance policy. Applications, which will be treated in strict confidence, should be addressed to Production Director, Evans Medical Supplies, Ltd., Speke, Liverpool, 19.

C 5738

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PHARMACIST, 10 years' managerial experience retail, desirous of change to medical propaganda or rep. to firm of good repute. N. Ireland. Box C 4110.

REPRESENTATIVE requires change. Excellent connection with chemists, co-operative societies, departmental stores, in counties Essex, Suffolk, Norfolk, Cambridge, Hunts. Conscientious and energetic representation given. Box C 4063.

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AGENT, already covering Scotland and Northern England, interested in very profitable, fast-selling, nationally advertised side line. Please contact Box C 5763.

CHEMISTS WHOLESALE, mainly sundries, would consider propositions, either as selling agent or distributor. Reasonable space available and vehicle for handling light packed goods or surgical dressings, etc. North-west Lancashire area. Apply Box C 4116.

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MANUFACTURING CHEMISTS invite inquiries for the manufacture, packing, etc., of private formulae preparations, liquids, powders, tablets. Dispatch facilities available with own printing department. Frank Macowal & Yanatas, Ltd., Wilshaw Street, London, S.E.14. Tel.: Tideway 3846-8. C 122

UNIQUE OPPORTUNITY offered to firm or energetic individual disposing of sales organisation, introduced with chemists and druggists, for sole sale of pharmaceutical reducing products, already obtainable abroad. The article is patented and unique. Certificates of satisfied clients and physicians open to inspection. Capital participation £150,000. References required. Write s.a. Juventas, 38 rue Osy, Antwerp, Belgium. C 5682

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ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair prices for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks. Discontinued lines. Surplus and Redundant Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3. C 153

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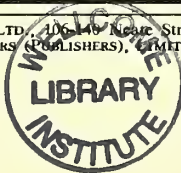
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REFERENCES

Practitioner, 173: 46, 1954; *Brit. med. J.*, 2: 7, 1955.
Ibid., Editorial 2: 31, 1955.

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